



## OWNER'S MANUAL

# Owner's Manual

## Mahindra **XUV**<sub>500</sub>

ISSUE DATE: OCTOBER 2011

### NOTICE

*Carefully read, understand and follow the instructions provided in this manual, and keep it in a safe place for future reference. If you have any doubt whatsoever regarding the use or care of your vehicle, please see your Mahindra dealer for assistance or advice.*

*This Owner's Manual should be considered as an integral part of the vehicle and should remain with the vehicle.*



**MAHINDRA & MAHINDRA LTD.**  
**GATEWAY BUILDING, APOLLO BUNDER, MUMBAI - 400 039**

## Dear Customer,

Thank you for purchasing a Mahindra vehicle. Your vehicle has been designed to provide years of safe and dependable service, as long as it is used and maintained in accordance with the instructions provided in this manual.

All persons who will use and/or maintain this vehicle must read, understand and follow all warnings and instructions provided in this manual. This Owner's Manual should be considered as an integral part of the vehicle and should remain with the vehicle. However, nothing in this manual, and none of the safety devices installed in the vehicle, is a substitute for careful operation and common sense. Always make sure that your vehicle is in optimum working order, and take note of the road and weather conditions under which you are using your vehicle.

If you have any questions concerning the proper use or maintenance of your vehicle, please call your Authorised Mahindra Dealer. The dealer list is available in the Dealer Address Book and on the internet at [www.mahindra.com](http://www.mahindra.com)

You can contact us at:

- For any queries / information **1800-209-6006** (Toll free)
- For Road side assistance, call **1800-102-7006** (Toll free)

Email : [customercare@mahindra.com](mailto:customercare@mahindra.com)



We extend our best wishes for safe driving and pleasurable motoring.

Sincerely,

MAHINDRA & MAHINDRA

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\* If equipped

# INTRODUCTION

1

## Introduction

### Preliminary Servicing and Summary Data

- For all issues concerning the vehicle and for any need for spare parts, contact only the Mahindra Authorised Dealer network.
- We recommend you always use genuine Mahindra spare parts when performing repairs on the vehicle.
- We suggest that you record the vehicle service data in the Service Coupon Booklet.

### Mahindra Genuine Parts

Mahindra uses high quality parts for building vehicles.

In the event that any parts need replacement, we recommend that you use only Mahindra Genuine Parts.

Non-Mahindra parts may harm the vehicle performance and will not be covered by your Mahindra Warranty.

To avoid counterfeit parts and to protect our brand image, Mahindra Genuine Parts are packed in a branded carton. Look for the “Mahindra Genuine Parts” logo.



### Vehicle modification

This vehicle should not be modified with non-genuine products. Modification with non-genuine parts / products could affect performance, durability and safety of the vehicle, and may even violate governmental regulations. In addition, performance problems or damage resulting due to the unauthorised modification may not be covered under Warranty.

Keep this manual in the vehicle as a reference for safe and enjoyable driving. This should be given along with the vehicle to the next owner when the vehicle is sold.

### Roadside Assistance

Mahindra Roadside Assistance Program deploys fully trained technical assistance in the event of any breakdown.

Calls to the toll-free Roadside Assistance Number **1800-102-7006** will be answered by Mahindra representatives 24 X 7. For additional information about this assistance, discuss with your Authorised Mahindra Dealer who will be glad to provide information on your request.

### To Owners of Mahindra Vehicle

When first driving the vehicle after long period of non-use, you may experience a temporary drive disturbance. This is a characteristic of the tyres and should be no reason for concern. The condition should correct itself within 5-15 kms. of driving. If the disturbance persists, have the tyres checked by an Authorised Mahindra Dealer.

## Owner's Manual

Owner information publications are written specifically for owners and are intended to provide basic operational and safety information about the vehicle. The Owner's Manual kit also includes the maintenance schedule for this vehicle.

The Owner's Manual is exclusively made available free of cost for customers upon purchase of a new vehicle. The same can also be procured on cost basis from any Authorised Mahindra Dealer. To purchase the Owner's Manual (printed hard copy), contact your nearest Authorised Mahindra Dealer.

## Running-in

Driving smoothly during first 1000 kms. will help to prevent premature failures and abnormal system wear which improves the life of drivetrain and vehicle components.

A new engine may consume more oil during the first 1000 kms of running. This should be considered as a normal part of break-in and not interpreted as any problem with the engine.

## Protection from Electronics

To ensure optimum vehicle performance and passenger safety, your Mahindra vehicle is equipped with sophisticated modern electronics and controls. Do not install any communication devices, electronic gadgets or radar detection devices, without express written consent from Mahindra.

An improperly installed/adjusted two-way radio can adversely affect electronic systems. Electromagnetic fields may cause malfunction of vehicle electronics and its controls.

## How to Use this Manual

This manual includes information for all the features available in this model. Therefore, you may find some information that does not apply to your vehicle. Your Owner's Manual, should be read from beginning to end, on receiving the new vehicle. If this is done, it can help you learn about the features and controls for the vehicle. The illustrations and specifications compliment the text of the manual to best explain how to use your Mahindra vehicle. By reading your manual, you can find out about the important safety information, and driving under various road conditions.

A good place to start is the Index; an alphabetical listing of all information in your manual. This manual includes information titled as **WARNING**, **CAUTION** and **NOTICE**

All information, specifications and illustrations in this manual are those in effect at the time of printing. Mahindra reserves the right to change specifications or design without notice and without obligation.

## Safety Symbols

Carefully read, understand and follow the safety symbols and instructions given in this manual.

### **WARNING**

***WARNING indicates a potentially hazardous situation which, if not avoided, can result in death or serious injury.***

### **CAUTION**

***CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.***

### **NOTICE**

***NOTICE indicates important information relevant to the vehicle, the vehicle's use or to sections of this manual to which particular attention must be paid.***

## General Safety Information and Instructions

### WARNING

***Failure to follow the warnings and instructions provided in this manual could result in failure of the vehicle, an accident, personal injury or death.***

1. Carefully read, understand and follow the warnings and instructions given in this manual. This manual is an essential part of the product. Keep it in a safe place for future reference.
2. Never use a mobile phone, personal music device or pager while driving. This may take your focus off the road and lead to accidents.
3. Please be advised that many service and repair tasks require specialized knowledge, tools and experience. General mechanical aptitude may not be sufficient to properly service or repair your vehicle.
4. A person with a pacemaker should never contact the Engine control unit or its cables to injectors, as these system carries high voltage which will adversely affect the functioning of the pacemaker.
5. Inspect the seat belt system periodically, checking for cuts, frays or wear in the seat belt webbing, or loose buckles, retractors, anchors or other loose parts. Damaged parts must be replaced immediately.
6. Always start and operate the engine in a well-ventilated area. If in an enclosed area, vent the exhaust to the outside. Do not modify or tamper with the exhaust system.
7. Examine tyres for excessive tread wear and uneven wear patterns. Check for stones, nails, glass, or other objects lodged in the tread and check sidewalls for any cuts, cracks, or other signs of wear. Replace as necessary.
8. Always maintain the safety labels affixed to your vehicle in good legible condition. If the labels are missing or damaged, replace as necessary.
9. All signal lamps, buzzers, shields, guards and other protective safety devices must always remain in place and in good, proper working condition.
10. The life span of Mahindra products depends on many factors. Improper use, abuse or harsh use in general may compromise the integrity of the vehicle and significantly reduce its life span. The vehicle is also subject to wear over a period of time. Please have your vehicle regularly inspected by an Authorised Mahindra Dealer. If the inspection reveals any damage or excessive wear, immediately replace or have the component serviced.
11. We recommend that you use only genuine parts supplied by Mahindra. The use of defective Non-Mahindra parts will not be covered by the Mahindra Warranty.
12. The vehicle can be used only as a passenger vehicle. Any other usage is improper, and may void the Warranty.



13. Use appropriate personal protection equipment, such as eye protection, face shield, respiratory protection, gloves and coveralls, when performing maintenance, repairs or adjustments.
14. Never crawl under or be in close proximity to the vehicle when it is lifted off the ground unless the vehicle is properly supported with jack stands, wheel chocks and other appropriate safety devices.
15. Never attempt any repairs or adjustments to any component while the vehicle is in motion. Always turn OFF the engine, and wait for the engine to come to a complete stop before performing any repairs or adjustments.
16. Vehicle Identification Number (VIN) plate is the only legal identification reference, hence it is necessary to keep it in good condition. Never modify the data on the plate or remove them. The customer is responsible for any possible tampering with the plate, which will immediately void the warranty.
17. On a long drive, take frequent breaks in order to remain fully alert during operation of the vehicle. Never operate the vehicle if you feel dizzy or sick.
18. Do not attempt sharp turns, abrupt maneuvers, or other unsafe driving actions that can cause loss of vehicle control. When the vehicle is fully loaded, drive at a slow speed, especially when turning.

## NOTICE

***In view of our policy of continuously improving our products, we reserve the right to alter specifications or designs without prior notice and without liability / Obligation. Illustrations do not show the vehicle in the standard form. Please be aware that this manual applies to all models and options. As a result you may find some explanations for equipment not installed on your vehicle. All the information, illustration, and specifications in this manual are based on the latest product information available at the time of publication. Due to continuous improvements and changes in design and specifications there may be differences between your vehicle and the information on this manual.***

## Driving and Alcohol

Your driving ability can be seriously impaired by alcohol even if the blood alcohol level is far below the legal minimum. Drunken driving is one of the most frequent causes of accidents.

### **WARNING**

***Never drink and drive. Drinking and driving will lead to an accident resulting in serious personal injury or death.***

## Driving and Drugs / Medication

Your driving ability can be seriously impaired through the use of prescription or non-prescription drugs or medication (even cough syrup). If you are taking any sort of drug or medication, be sure that it will not affect your driving ability.

## Perchlorate Material

Certain components of this vehicle such as seat belt pre-tensioners and remote key batteries may contain perchlorate material. Special handling may be required for service or vehicle end-of-life disposal.

## Environment Caring

Your vehicle has been designed with the aim of caring for the environment. A number of features have been incorporated in your vehicle to ensure environmental compatibility throughout its life cycle.

As a user, you too can contribute to protect the environment by operating your vehicle in a pro-active manner. It mostly depends on your driving style and the way you maintain your vehicle. Do not dispose of parts replaced in the course of regular vehicle maintenance (like battery, oil filter, air filter, etc.) and oil containers (empty or with used oil, etc.) with house hold waste. Dispose them through special organisations. In all cases, comply with state, territory and / or local bye-laws.

FEATURES AND CONTROLS

2

## Keys

You have been supplied with two remote keys which operate all the locks of the vehicle. The operation of all transmitter buttons on the remote key will be inhibited while a key is in ignition switch except few functions. The operating range of the remote control is approximately 15 metres. But this range of the remote control may be reduced if the batteries are weak.



### NOTICE

***The key may not operate correctly in areas that are subject to interference from other radio equipment operating on similar frequency. Areas where for example, equipment such as amateur radio, medical devices, and telecommunication equipments or other remotely operated alarms are in use may cause difficulty. If such difficulties are experienced, try to operate the transmitter as close as possible to the vehicle or use the key in the door lock, but in this case alarm will get triggered.***

### NOTICE

***Should a key get lost or damaged, replacement can only being done by a Mahindra Authorised Dealer, where it will be programmed with your vehicle. The dealer will require proof of ownership, and keep a log of all enquiries for replacement of keys. It is advisable to notify your dealer as soon as possible if a key is lost or stolen and have the remaining keys reprogrammed. This will prevent access to the vehicle using the lost/ stolen key.***

## WARNING

- **Always withdraw the key whenever you leave the vehicle even if it is only for a short time. This is particularly important if children are left inside the vehicle. Children might otherwise start the engine or operate electrical equipment (e.g. power windows). This may lead to risk of injury.**
- **Do not withdraw the ignition key from the ignition lock until the vehicle has come to a stop. The steering lock might otherwise engage unintentionally. This may lead to risk of injury**

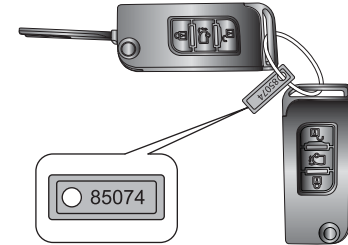
## CAUTION

- **The key contains delicate electronic circuits and must be protected from impact and water damage, high temperatures and humidity, direct sunlight and the effects of solvents, waxes and abrasive cleaners.**
- **The keys supplied with your vehicle are programmed with vehicle security system. The engine cannot be started without a key programmed to your vehicle.**

### Key Number Tag

Your key number is shown on the plastic tag attached to the key. It is recommended that you record the key number and store in a safe place.

We advise you to keep one of these keys at a safe place for emergency use, but not in the vehicle.



In case you loose your keys, you can order new keys through an Authorised Mahindra Dealer.

While reprogramming a new set of keys, you will have to submit all the keys available with you, at an Authorised Mahindra Dealer.

Please note that there is a limitation to the number of keys that can be ordered. Maximum 2 keys can be ordered at a time.

If you make your own duplicate key, you will not be able to deactivate the theft deterrent devices or start the engine.

## Remote Key Battery Replacement

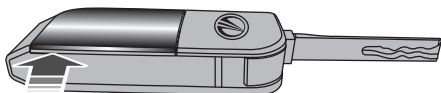
Each remote key contains a battery which is housed under the cover.

The fact that the battery needs replacement will be apparent from the following:

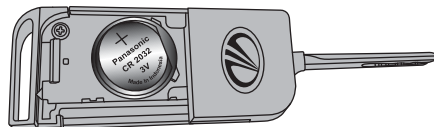
1. Transmitter light will flash at a slower rate or does not flash at all.
2. A gradual deterioration in range and performance will be noticed.

If you find above symptoms, replace the battery as follows:

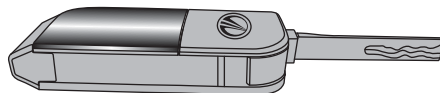
- Unfold the key using key release button (refer Locks and Alarms for key button description).
- Carefully remove the battery cover in the direction as shown in below image.



- Remove the discharged battery from the key.



- Insert the new battery. Ensure that the "+" symbol on the battery is facing upwards. The correct polarity is shown on the battery cover.



- Position the battery cover on the key and press it until it gets locked in its place.

### CAUTION

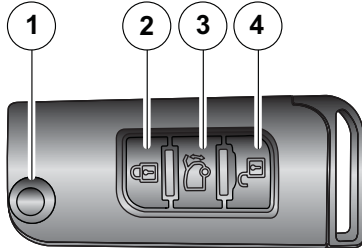
*Disposal of the used battery should be in accordance with environmental regulations.*

### NOTICE

- *Pay attention to the correct polarity when changing the battery*
- *The replacement battery must have the same specification as the original battery*
- *Remote key battery specification: CR 2032H 3V*

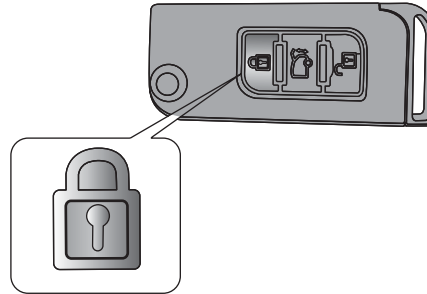
## Locks and Alarms

### Locking / Unlocking the vehicle with Remote Key



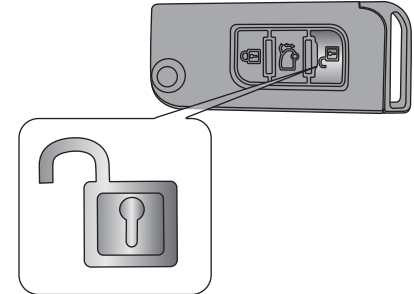
1. Key Release Button
2. Lock Button
3. Tailgate Unlock Button
4. Unlock Button

### Lock



Press to lock all doors and tailgate. If all doors are closed, the hazard warning lamps will blink once to indicate that all doors are locked. However, if any one of the doors remain open, the hazard warning lamps will blink 5 times along with the alarm.

### Unlock

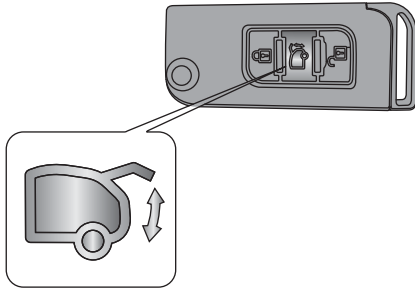


Press to unlock all doors. The hazard warning lamps will blink twice indicating that the doors are unlocked.

### NOTICE

- ***If theft is attempted when vehicle is locked, hazard warning lamps and alarm will sound 4 times***
- ***If the vehicle is involved in a collision forceful enough to cause a restraints devices to deploy, all door-locks will become unlocked and the hazard warning lamps will start to flash***

## Tailgate Unlock

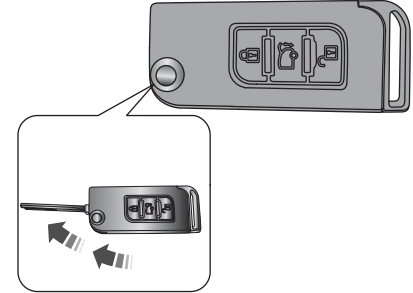


Press to unlock the tailgate. The hazard warning lamps will blink four times to indicate that the tailgate is unlocked.

## NOTICE

- ***Tailgate will automatically lock, if the tailgate door is not opened within 45 seconds.***
- ***When the vehicle is centrally locked (either by remote key or using driver door lock knob), the tailgate cannot be opened by means of the tailgate release switch.***
- ***In case of remote key failure, tailgate can also be opened from inside the vehicle. Refer "Tailgate" section.***

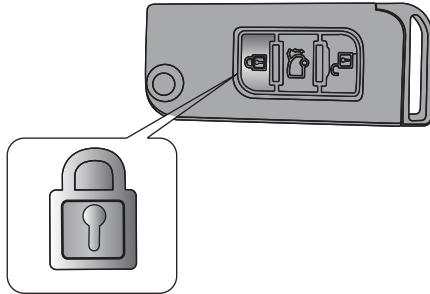
## Key Release



Press to release the folded key.

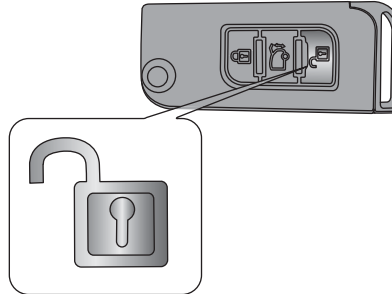


## Mute / Unmute the Alarm



Alarm can be muted / unmuted on pressing the lock button for more than 3 seconds. Hazard warning lamps will flash once to indicate the change in status.

## Panic Alarm

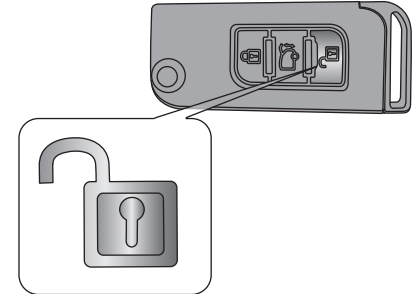


The panic alarm function can be used to attract attention in the event of an emergency.

To activate panic alarm, press the unlock button continuously for more than 3 seconds, when the key is in ignition switch. Once panic alarm is activated, hazard warning lamps will flash along with alarm.

Press unlock button once to deactivate the panic alarm.

## Search Alarm



The search alarm function can be used to locate the vehicle in the parking area.

To activate search alarm, press the unlock button continuously for more than 3 sec. Once search alarm is activated, hazard warning lamps will flash along with alarm.

Press unlock button once to deactivate the search alarm.

## Auto Lock

All doors lock automatically, when

- The vehicle speed is more than 20 kmph and
- All doors are in closed position.

## Auto Relock

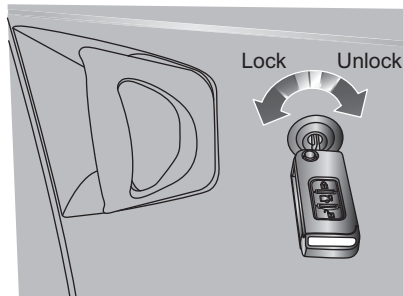
After unlocking the vehicle using the remote key, vehicle will relock automatically if none of the doors, tailgate and bonnet are opened / closed for 45 seconds.

## Vehicle Unlocking in an Emergency

If the vehicle is involved in a collision forceful enough to cause a restraints device to deploy, all door locks will become unlocked and the hazard warning lamps will start to flash.

## Locking / Unlocking the vehicle with Key

Either of the front doors can be locked or unlocked using the key.



### Unlocking

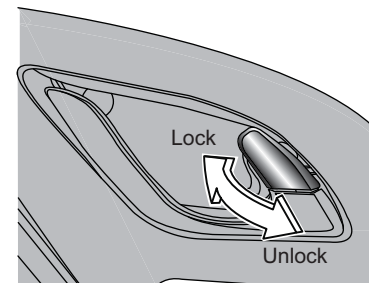
Turn the key in clockwise direction. This will unlock all doors and tailgate.

### Locking

Turn the key in anti-clockwise direction. This will lock all doors and tailgate.

## Central Locking with Driver Door-lock Knob

All doors and the tailgate lock automatically when the driver's door-lock knob is pushed inside. All doors and the tailgate unlock when the driver's door-lock knob is pulled out.



## NOTICE

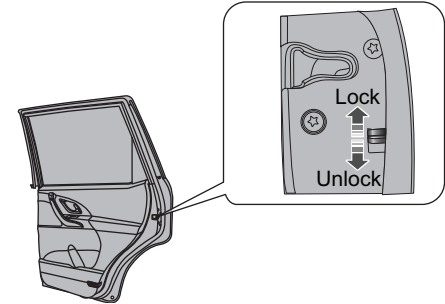
*The following applies if you have locked your vehicle using key:*

- *It is not possible to open the doors or the tailgate from the outside*
- *You can unlock the doors individually from the inside and open them by pulling the door opening lever*
- *In the event of an accident in which the airbags are deployed, the locked doors are automatically unlocked in order to enable the rescuers to enter the vehicle*

## WARNING

- *The central locking system also operates if the ignition is switched OFF*
- *Children should never be left unattended in the vehicle since it is difficult to provide assistance from the outside when the vehicle is locked*
- *Locked doors make it difficult for rescuers to enter the vehicle in an emergency*

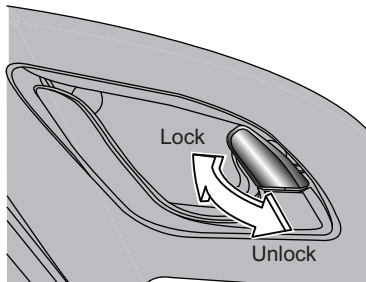
## Rear Door Child Safety Locks



The rear doors are equipped with a child safety lock. The child safety lock prevents the rear door from being opened from the inside.

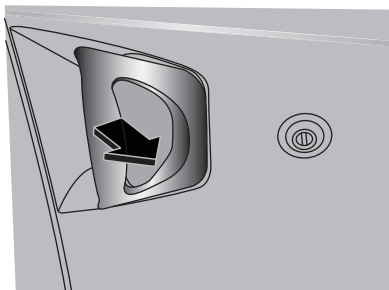
As long as the child safety lock is switched ON it is not possible to open the door from the inside with the door opening lever. In this case the door can be opened only from the outside. Switch the child safety lock in up or down position as required.

## Locking / Unlocking Individual Doors from Inside



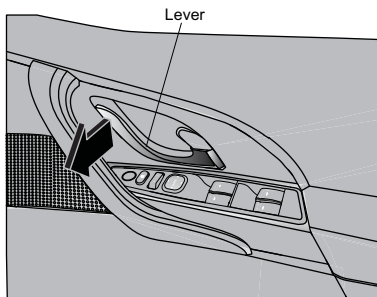
Doors can be locked / unlocked from inside by locking / unlocking the respective door-lock knob.

## Opening the Doors from Outside



Hold the door handle firmly and pull it to unlock and swing the door to open.

## Opening the Doors from Inside



Pull and hold the door-lock lever to open the door.

## Engine Immobilizer System

The engine immobilizer system is a theft prevention system. When you insert the key inside the ignition switch, the transponder chip in the key's head transmits an electronic code to the vehicle. The engine will start only when the electronic code inside the chip corresponds to the registered ID code for the vehicle. The immobilizer system is automatically set when the key is removed from the ignition switch. The indicator lamp will start flashing to show the system is set. If any of the following indicator conditions occur, contact your Mahindra Authorised Dealer.

1. The indicator lamp remains ON



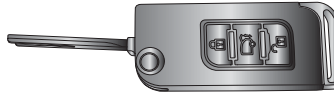
2. The indicator lamp does not flash when the key is removed from the ignition switch
3. The indicator lamp flashes inconsistently

Inserting the registered key in the ignition switch automatically cancels the system, which enables the engine to start. The indicator lamp will go OFF. For your Mahindra Authorised Dealer to make you a new key with built-in transponder chip, your dealer requires your key tag no and second key. However, there is a limit to the number of additional keys your Mahindra Dealer can make for you. If you make your own duplicate key, you will not be able to start the engine.

## NOTICE

***Do not modify, remove or disassemble the engine immobilizer system. If any unauthorised changes or modifications are made, proper operation of the immobilizer system cannot be guaranteed.***

While turning ignition to ON position, Key blade and the key base cover should be kept straight as in below picture. If not there is a chances of vehicle getting immobilized.



If the key blade does not get locked in straight position, please contact an Authorised Mahindra Dealer immediately.

## Theft Deterrent Alarm System

Theft deterrent alarm system increases the level of protection against people seeking to break into the vehicle. The system triggers audible and visual warning signals if an attempt is made to break into the vehicle.

### How to Arm the System

1. Park the vehicle and stop the engine
2. Remove the ignition key from the ignition switch and exit the vehicle
3. Make sure that all doors, tailgate and bonnet are properly closed
4. Lock the doors using the remote key

After completion of the above steps, the hazard warning lamps will blink once to indicate that the system is armed.

The system can also be armed by locking the doors with the key, however, the hazard warning lamps will not blink. If any door or engine hood remains open, the hazard warning lamps will not blink and the system will not get armed.

### How to Turn OFF an Armed System

An armed system can be turned OFF by any one of the following methods:

1. Unlock the doors using remote key
2. Insert the key into the ignition switch and turn it to ON position

The hazard warning lamp will flash twice to indicate that the system is turned OFF.

### What Turns ON the Alarm

The alarm will be activated if any of the following occurs while the vehicle is parked and the system is armed.

1. A front or rear door is opened, without using the key
2. The tailgate is opened without using the remote key

3. The bonnet is opened
4. Battery terminals disconnected and reconnected

The alarm will sound and the turn signal lamps will blink continuously for 30 seconds.

### To Stop an Alarm

A triggered alarm can be turned OFF by any one of the following methods:

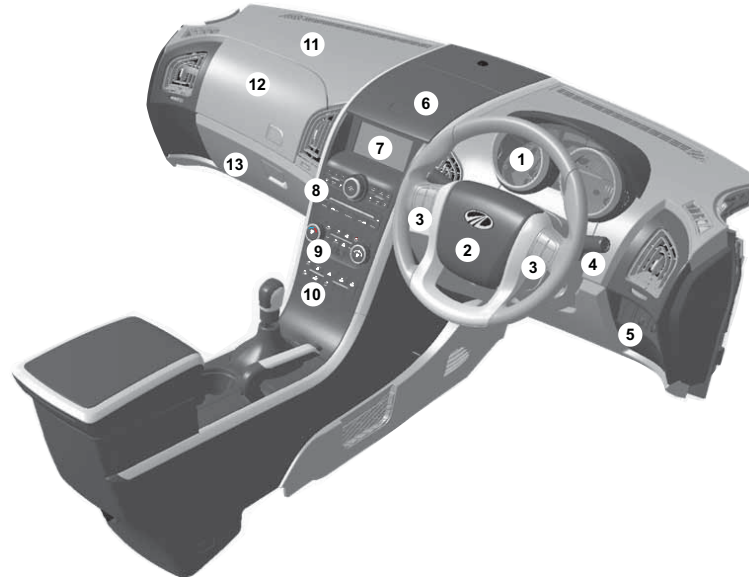
1. Unlock the door with the remote key
2. Turn ON the ignition

## NOTICE

***For your own safety and that of the vehicle, when the vehicle is set unattended:***

- ***Apply park brake***
- ***Remove keys from the vehicle prior to locking the doors***
- ***Close all doors, windows and the tailgate***
- ***Park the vehicle where it is visible. Never leave children or pets unattended in the vehicle***
- ***Never leave luggage or valuables in the vehicle***
- ***Before leaving the vehicle, check that all the doors, windows, tailgate are properly closed in order to ensure that the theft deterrent alarm system is fully operational***

## Instrument Panel (IP) Controls



1. Instrument cluster

2. Driver airbag\*

3. Steering wheel control switches\*

4. Combination switch

\* If equipped

5. Side vent bezel switches

- Intensity control switch

- Fuel filler lid opening switch

- Head light levelling switch

6. Front utility box

7. Infotainment display\*

8. Audio control panel

9. Heating/Air conditioning  
control panel

10. Central bezel switch bank

11. Front passenger airbag\*

12. Upper glove box

13. Lower glove box

## Instrument Cluster Overview



1. TPMS learning switch\*   2. Speedometer   3. Odo and Trip meter   4. Fuel level   5. Gear information\*  
6. Tell tale zone   7. Tachometer   8. Engine temperature\*   9. Trip switch

\* If equipped



## Instrument Cluster and Warning Indicators

### Speedometer



The speedometer indicates the speed of the vehicle. The speedometer is calibrated in kilometers per hour.

#### NOTICE

*If the vehicle speed is more than 150 kmph, over speed buzzer in the cluster will trigger warning alarm.*

### Tachometer



The tachometer shows engine speed in thousands of revolutions per minute (RPM).

#### CAUTION

*Do not continuously operate the engine in high RPM. This may cause severe engine damage.*

### Trip Switch



Trip switch is located on right hand side of instrument cluster.

During ignition ON, the display mode can be switched between odometer and tripmeter by pressing the trip switch.

## Odometer



When this mode is selected, ODO will be displayed. The odometer records the total distance the vehicle has been driven.

## Tripmeter



The tripmeter records the total distance of two trips. One is recorded in tripmeter A, and the other is recorded in tripmeter B.

For instance, tripmeter A can record the distance from the point of origin, and tripmeter B can record the distance from where the fuel tank is filled.

### Trip A mode

- Short press of Trip switch in Trip A will change to Trip B
- Long press of Trip switch in Trip A will reset Trip A

### Trip B mode

- Short press of Trip switch in Trip B will change to ODO
- Long press of Trip switch in Trip B will reset Trip B

## Fuel Level



The fuel level indicates the approximate amount of fuel in the fuel tank.

**Reserve:** Last 2 bar in the fuel bar graph indicates the reserve.

**Low level:** Last bar in the fuel bar graph blinks when the fuel tank reaches the low level (approximately 5 liters).

At curves and inclinations, the fuel bar graph may fluctuate or the low fuel warning light may come on earlier than usual due to the movement of fuel in the tank.

## NOTICE

*When all bars on the fuel level are blinking, contact the nearest Authorised Mahindra Dealer.*



## NOTICE

*The direction of the arrow shows that the fuel filler lid is on the left side of the vehicle.*

## Temperature Bar Graph (If equipped)



Engine temperature bar graph will illuminate in blue when the coolant temperature is low. Engine temperature bar graph will start blinking in red when the coolant temperature is high.

## ⚠ WARNING

*Never remove the radiator cap when the engine is hot. The engine coolant is under pressure and could cause severe burns. Wait until the engine is cool before adding coolant to the reservoir.*

## ⚠ CAUTION














*Driving with an overheated engine can cause serious engine damage.*













## Gear Information (If equipped)



Gear information will display the current gear position in the vehicle while running.

## Warnings and Indicators

Indicator	Description
	Check Engine Indicator
	Charging System Warning
	Low Engine Oil Pressure Warning
	Water in Fuel Indicator
	Parking Brake System / Brake Fluid Level Warning
	Tyre Pressure Monitoring System (TPMS) Warning (If equipped)
	Turn Signal Indicator
	Immobilizer System Warning
	Headlamp High Beam Indicator
	Open Door Warning
	Driver Seat Belt Reminder
	OBD Indicator (Applicable for BSIV vehicles)
	Glow Plug Indicator

Indicator	Description
	Rear Fog Lamp Indicator
	Front Fog Lamp Indicator (If equipped)
	SRS Airbag Warning (If equipped)
	Anti-lock Brake System Warning (If equipped)
	Cruise Control Indicator (If equipped)
	Interactive Torque Management (ITM) Warning (If equipped)
	Hill Descent Control (HDC) Warning (If equipped)
	Hill Hold Control (HHC) Warning (If equipped)
	ESP OFF Indicator (If equipped)
	ESP Malfunction Indicator (If equipped)
	Start / Stop Indicator (If equipped)
	Engine Temperature Warning

## Check Engine Indicator



This warning light comes ON when the ignition switch is turned to the ON position and goes OFF after few seconds. Illumination at any other time indicates an engine fault. If the indicator illuminates continuously or blinks while driving, the performance of the engine management system is impaired. Contact the Mahindra Authorised Dealer for further assistance.

## Charging System Warning



This warning light comes ON when the ignition switch is turned to the ON position and goes OFF when the engine is started. If the warning light comes ON while driving, the battery is not being charged when the engine is running.

Try not to use other electrically operated controls such as the power windows, audio system and AC. Keep the engine running. Stopping and starting of the engine will discharge the battery rapidly. Immediately take the vehicle to the nearest Authorised Mahindra Dealer.

### CAUTION

***Don't continue driving when the charging system warning light is illuminated because the engine can stop unexpectedly.***

## Low Engine Oil Pressure Warning



This warning light comes ON when the ignition switch is turned to the ON position and goes OFF when the engine is started. If it continues to illuminate with a buzzer sound twice, it means the oil pressure has dropped very low.

1. Drive safely to the side of the road and stop
2. Turn OFF the engine and wait for 5 minutes for the oil to drain back into the engine oil sump
3. Check the engine oil level. If the level is low, add oil as required. **Refer General Maintenance Section**
4. Start the engine and check the warning light. If the warning light is still ON, turn OFF the engine and contact the nearest Authorised Mahindra Dealer

**CAUTION**

*If the engine is not stopped immediately after the low engine oil pressure warning light is illuminated, it could lead to severe engine damage.*

**Water in Fuel Indicator**

This warning light illuminates when the water level in the fuel filter has reached the maximum permissible limit. Water in the fuel filter should be drained immediately to avoid fuel system damage. Drain the water from the fuel filter (Refer "**Draining water from fuel filter - In case of emergency**" section) and restart the engine. The indicator should turn OFF automatically. If not, contact an Authorised Mahindra Dealer.

**CAUTION**

*Failure to drain water from the fuel filter will damage the vehicle's fuel injection system and engine.*

**Parking Brake System / Brake Fluid Level Warning**

The brake system warning lamp illuminates when:

1. The parking brake is not released fully
2. The brake fluid level in the reservoir is low
3. Front brake pad is worn out

If the fluid level is low, add brake fluid as required. **Refer General Maintenance Section**

Turn ON the ignition and check for the warning light. If the warning light remains ON after adding fluid, have your brake system inspected for leaks or worn out brake pads as soon as possible by the nearest Mahindra Authorised Dealer.

**NOTICE**

*If the warning light remains ON, or if the brakes do not operate properly, do not drive the vehicle.*

**WARNING**

*Driving the vehicle with a warning light ON is dangerous. If the brake warning light remains ON, have the brakes checked immediately by an Authorised Mahindra Dealer.*

# FEATURES AND CONTROLS

## Tire Pressure Monitoring System (TPMS) Warning (If equipped)



- If the TPMS warning indicator comes ON without blinking, check the tyre pressure or temperature immediately
- If the TPMS warning indicator will blink for 75 seconds and remain ON, it means there is some malfunction in TPMS system. Contact an Authorised Mahindra Dealer.

## Turn Signal Indicator



Left arrow indicator will flash when left turn indicator is turned ON and right arrow indicator will flash when right turn indicator is turned ON in the combination switch. Both left and right arrow indicators

will flash simultaneously along with click-clack sound, if the hazard warning indicator switch is ON. A sudden increase in the rate of flashing indicates failure of one or more of the indicator bulbs.

## Immobilizer System Warning



When the key is in the ignition switch, this light serves as the immobilizer system warning light. Tell tale will blink when the vehicle is locked / ignition OFF. The light will go OFF when confirmation by the immobilizer system is completed. If the indicator flashes rapidly or fails to turn ON, or remains ON continuously, it indicates a system malfunction. If any of these occur, contact an Authorised Mahindra Dealer as soon as possible.

## Headlamp High Beam Indicator



High beam tell tale will illuminate when the headlamp high beam is turned ON. It will flash when the headlamp flasher is used.

## Open Door Warning



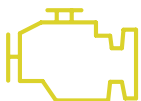
When any of the doors including tailgate and bonnet are not closed properly, open door tell tale illuminates and the buzzer rings 3 times once ignition is turned ON.

### Driver Seat Belt Reminder



- Once the ignition is turned ON, driver seat belt reminder warning lamp will flash till the driver seat belt is engaged.
- Once the engine is turned ON, buzzer will sound for 30 seconds if the driver seat belt is not engaged.

### OBD Indicator (Applicable for BSIV vehicles)



OBD is a part of the emission control, which monitors various emission control system components. OBD indicator illuminates when the ignition switch is turned to the ON position, and will go out in a few seconds after the engine is

started. If OBD indicator remains ON or does not illuminate when the ignition key is turned to the ON position take the vehicle to the nearest Authorised Mahindra Dealer.

### Glow Plug Indicator



Glow plug indicator illuminates when the ignition is turned ON. It automatically goes OFF when the glow plug reaches the required temperature.

### Rear Fog Lamp Indicator



The rear fog lamp indicator illuminates when the rear fog lamps are turned ON.

### Front Fog Lamp Indicator (If equipped)



The front fog lamp indicator illuminates when the front fog lamps are turned ON.

### SRS Airbag Warning (If equipped)



With Ignition ON, this indicator comes ON and goes OFF automatically after few seconds. If the SRS airbag warning light illuminates while driving, this indicates a malfunction in the airbag system. Have the system checked by an Authorised Mahindra Dealer as soon as possible.



# FEATURES AND CONTROLS

## Anti-lock Brake System (ABS) Warning (If equipped)



The warning light stays ON for a few seconds when the ignition switch is turned to the ON position.

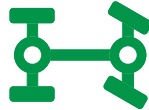
If the ABS warning light stays ON while driving, the ABS control unit has detected a system malfunction. If this occurs, normal braking will function. Contact nearest Authorised Mahindra Dealer as soon as possible.

## Cruise Control Indicator (If equipped)



The indicator illuminates when the cruise control is ON. The indicator goes OFF when the cruise control is OFF.

## Interactive Torque Management (ITM) Warning (If equipped)



The indicator illuminates when the ITM system malfunction occurs. Contact nearest Authorised Mahindra Dealer.

## Hill Decent Control (HDC) Warning (If equipped)



This indicator illuminates when HDC malfunction occurs. Contact nearest Authorised Mahindra Dealer.

## Hill Hold Control (HHC) Warning (If equipped)



This indicator illuminates when HHC malfunction occurs. Contact nearest Authorised Mahindra Dealer.

## ESP OFF Indicator (If equipped)



This indicator illuminates when ESP switch is in OFF position.

## ESP Malfunction Indicator (If equipped)



While driving, if this tell tale blinks, it indicates that ESP has taken control of the vehicle stability. If the tell tale remains ON, it indicates the malfunction in the ESP System. Contact the nearest Authorised Mahindra Dealer.

## Start / Stop Indicator (if equipped)



- Tell tale blinks when the vehicle is about to stop and comes ON continuously when the vehicle is completely stopped
- On restarting the vehicle again using clutch / key, the indicator goes OFF

## Engine Temperature Warning



Engine temperature warning indicator will start blinking once the coolant temperature reaches 105<sup>0</sup> C. It will start blinking at double rate when the temperature reaches 110<sup>0</sup>C and it will continuously remain ON with buzzer alert once the temperature reaches 114<sup>0</sup> C. In this case, contact nearest Authorised Mahindra Dealer.

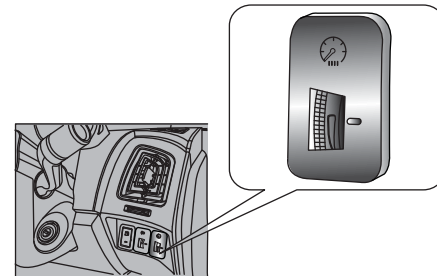
## Over Speed Warning

Buzzer will sound for 5 seconds when the vehicle speed exceeds 150 kmph in the cluster.

## Key in Warning

Buzzer will sound from instrument cluster when the remote key is left in the ignition OFF position and the driver door is open for 60 seconds.

## Instrument Panel Illumination



The instrument panel illumination comes ON when

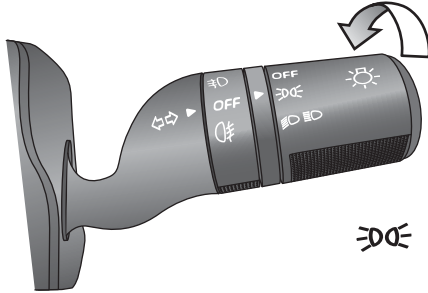
1. Ignition is ON
2. Position lamp / Parking lamp or Headlamp is ON

Roll the control knob up or down for brighter or dimmer intensity of illumination for following:

- Instrument cluster
- Ambient lamp
- Interior switches
- Infotainment screen / display

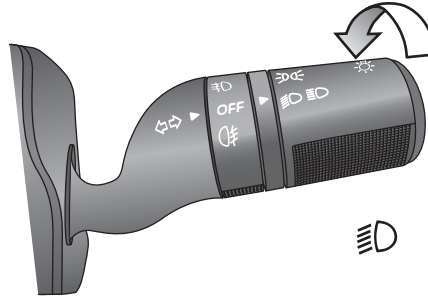
## Lamps and Indicators

### Position Lamps / Parking Lamps



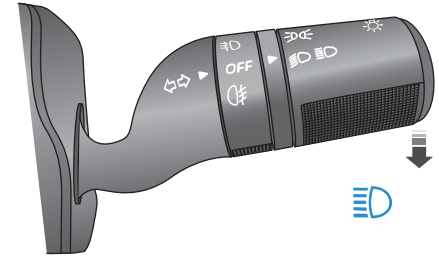
Rotate the outer switch clockwise to the first position, to turn ON the Position lamps / Parking lamps. The tail lamp, license plate lamp and instrument panel illumination also lights up along with the Position lamps / Parking lamps.

### Headlamp Low Beam



Rotate the outer switch clockwise to the second position to turn ON the headlamp low beam.

### Headlamp High Beam

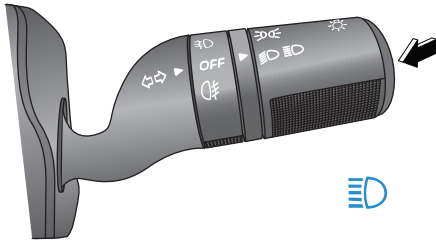


With headlamp low beam ON, push the headlamp lever down to turn ON the headlamp high beam. The headlamp high beam indicator in the instrument cluster is also illuminated.

## NOTICE

***The ignition switch must be in the ON position to turn ON the headlamps.***

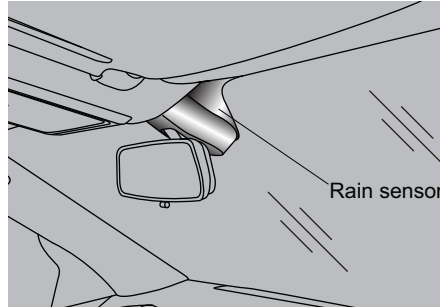
## Flashing the Headlamps



To flash the headlamps, pull the lever fully towards the steering wheel. This does not require the headlamp to be turned ON. The lever will return to the normal position when released.

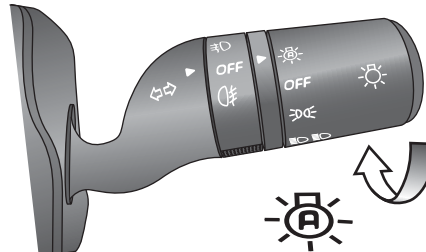
## Auto Headlamp (If equipped)

Rain Light Sensor (RLS), located on front windshield, turns the headlamp ON or OFF whenever it senses the ambient light intensity (eg. vehicle enters in a tunnel or in dim light condition)



### Operation

1. Turn ON the Ignition.



2. To activate auto headlamp, rotate the outer switch in anti-clockwise direction.

3. Auto headlamp symbol will illuminate in an infotainment screen indicating that the feature is activated.



4. Once enough light is present, headlamps will go OFF.

## NOTICE

- *There is a difference between ambient light intensity sensed by the sensor and by the human eye. It may be possible that during evening time headlamp will activate early as RLS sensor senses it as a low intensity. This is absolutely a normal behavior.*
- *In Auto headlamp mode, headlamps will remain ON until enough ambient light intensity is not available. Once enough light is present, headlamps will go OFF. This is a designed feature to avoid false switching ON / OFF of headlamp.*

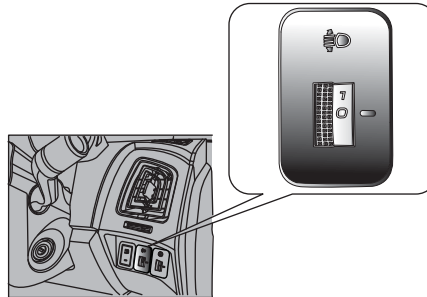
## WARNING

- *Do not put any band/tape outside the sensor on windshield.*
- *Do not use any Chemical or Thinner to clean inner surface of front windshield to avoid any damage to the sensor.*

## CAUTION

- *In case of any damages/scratches to windshield, new sensor needs to be installed/ assembled along with new windshield.*
- *Old sensor can not be used on the new windshield as it is calibrated for a particular windshield.*

## Headlamp Levelling System



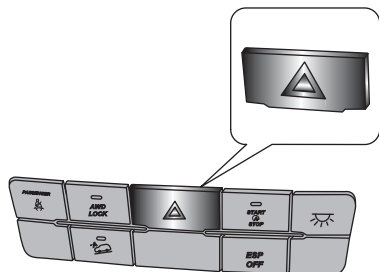
Headlamp low beam can be adjusted using headlamp levelling switch. It has positions marked 0, 1, 2, 3. Select the suitable switch position depending on payload as advised in the table. The level of the headlamp beams can be adjusted

according to the vehicle load. Turn the thumbwheel downward to lower the beams and upward to raise the beam. The following table shows the control positions for various loading conditions.

S.No	Load	Position
1	Driver/Driver with front passenger	0
2	Driver + front passenger + second row seat occupied	1
3	All seats occupied	2
4	All seats occupied with luggage or driver with luggage at extreme rear side	3

## Hazard Warning Indicator

Press the hazard warning indicator switch located on central bezel switch bank, to turn ON/OFF the hazard warning lamps. All of the direction indicator lamps will flash together.

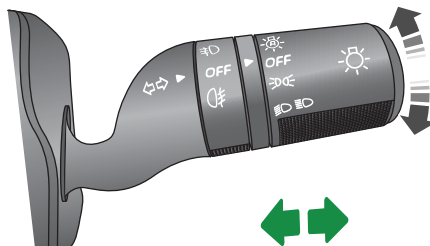


Use this switch only in an emergency to warn other road users when your stationary vehicle is causing an obstruction, or is in a hazardous situation. Remember to turn OFF the switch before moving away.

## NOTICE

- **The hazard warning indicator turns ON automatically if an airbag is deployed in the event of an accident.**
- **The direction indicators do not work when the hazard warning is activated. Check local regulations about the use of hazard warning lamp while the vehicle is being towed or while driving.**

## Turn Signal Indicator



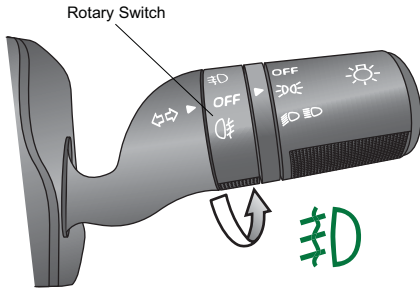
The key must be in ON position. To signal a turn, move the lever all the way up or down. The lever returns automatically after you make a turn, but should be disengaged manually while changing lanes.

An arrow or indicator lamp on the instrument cluster will flash in the direction of the turn or lane change. To signal a lane change, just raise or lower the lever until the indicator starts to flash. Hold it there until you complete your lane change.

## NOTICE

**If an indicator lamp stays ON without flashing or if it flashes abnormally, the direction indicator bulb may be burnt out.**

## Front Fog Lamps

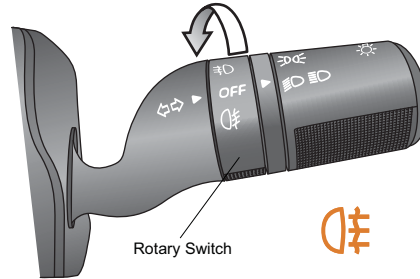


Fog lamps are used to provide improved visibility and help to avoid accidents when visibility is poor due to fog, rain or snow etc.

Turn ON the Position lamps / Parking lamps and/or headlamp. Rotate the rotary switch in anti-clockwise direction to turn ON the front fog lamps. The front fog lamp indicator illuminates in the instrument cluster. The switch will spring back to its initial position after switching ON the fog lamp. Front fog lamps should be used when visibility is considerably restricted by fog, snow or rain.

To turn OFF the fog lamp rotate the rotary switch in anti-clockwise direction again.

## Rear Fog Lamps



Turn ON the headlamp or front fog lamp. Rotate the rotary switch clockwise to turn ON the rear fog lamps. The rear fog lamp indicator illuminates in the instrument cluster. The switch will spring back to its original position after switching ON the rear fog lamp. Rear fog lamps should be used when visibility is considerably restricted by fog, snow or rain.

To turn OFF the fog lamp rotate the rotary switch in clockwise direction again.

### CAUTION

*The rear fog lamp should only be turned ON if visibility is particularly poor (confirm with any varying legal provisions) to avoid dazzling vehicles behind your vehicle.*

## Follow me Home (If equipped)

Follow me home will help to reach the home by automatically turning ON the headlamp and entry assist lamp in dark and cloudy conditions.

This feature will activate the lamps for 20sec.

This function will get activated on satisfying the following conditions:

- Vehicle driven with position lamp / parking lamp in ON position or vehicle driven with auto headlamp in ON position.
- Vehicle driven with position lamp / parking lamp in OFF position (applicable only in case vehicle is driven without auto headlamp mode).

- Ignition in OFF position.
- Opening the driver door.

Follow me home lamps can also be kept ON for an extended period for 20sec or turned OFF as per the convenience.

To extend or turn OFF Follow me home lamps:

- First pressing of lock button after follow me home activation, will lock the vehicle
- Subsequent pressing of lock button will turn OFF/ON the follow me home lamps based on the current status i.e. if the follow me home lamps are ON, pressing the lock button will turn OFF the lamps and vice versa.

Follow me home lamps can be extended up to maximum 2 min from first activation.

## Lead me to Vehicle (If equipped)

Lead me to the vehicle will help to find and reach the vehicle in dark and cloudy conditions by turning ON the headlamp and entry assist lamp.

This feature will activate the lamps for 20sec.

- If the vehicle is equipped with auto headlamp feature, lead me to the vehicle will be activated automatically on pressing the unlock button and if the outside is dark or cloudy.

Or

- If the vehicle is not equipped with auto headlamp feature, lead me to the vehicle will be activated automatically on pressing the unlock button if follow me home was activated while locking the vehicle previously

If any of the doors are opened or ignition is turned ON the system will turn OFF the lead me to the vehicle lamps.

Lead me to the vehicle lamps can also be kept ON for an extended period for 20sec or turned OFF as per the convenience.

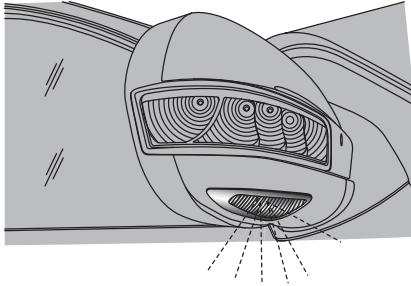
To extend or turn OFF lead me to the vehicle lamps:

- First pressing of unlock button once will activate the lead me to the vehicle lamps

- Subsequent pressing of unlock button will turn OFF/ON the lead me to the vehicle based on the current status i.e. if the lead me to the vehicle lamps are ON, pressing the unlock button will turn OFF the lamps and vice versa
- Lead me to the vehicle lamps can be extended up to maximum 2 min from first activation



## Entry Assist Lamp (If equipped)



Entry assist lamp is located on both ORVM (Outside Rear View Mirror). It is used to guide the user to see the area near the driver and passenger door. These lamps will come ON whenever the follow me and lead me functions are activated.

## Static Bending Lamp (If equipped)



A - Static bending lamp

The static bending lamp assists the driver while taking a turn. It will be activated when headlamp is ON and steering wheel is turned more than 90° at 5 kmph or 45° at 100 kmph.

## Reverse Gear Alarm (if equipped)

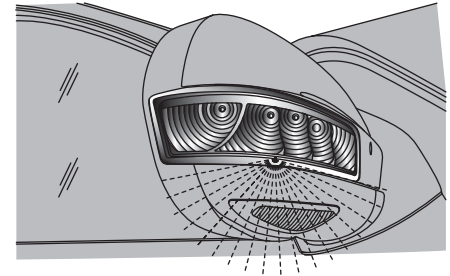
Reverse gear alarm will turn ON when:

- Engine is in running condition and
- Gear is in reverse position

Reverse gear alarm will go OFF once reverse gear is disengaged.

## ORVM (Outside Rear View Mirror Indicator)

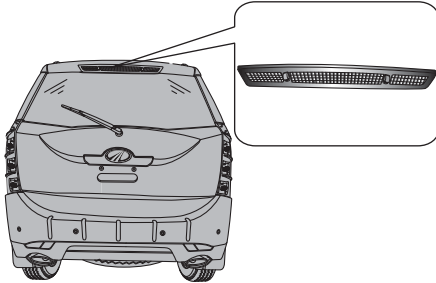
The ORVM indicator will illuminate



- When the turn signal indicator switch is ON
- When the hazard warning indicator switch is ON

## High Mounted Stop Lamp

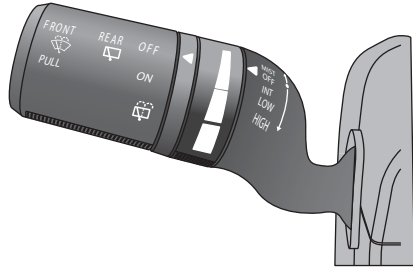
The high mounted stop lamp will illuminate, when the brake pedal is pressed.



# FEATURES AND CONTROLS

## Wipers and Washers

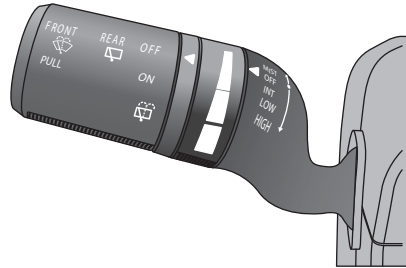
### Front Wiper Control Lever



- OFF / Normal position
- Flick Wipe (MIST)
- Intermittent (INT)
- Low Speed (LOW)
- High Speed (HIGH)
- Auto Wipe
- Intensity switch (Vary speed)

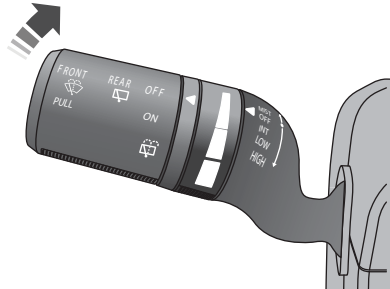
The windshield wiper and washer operates when the ignition switch is in ON position.

### OFF / Normal position



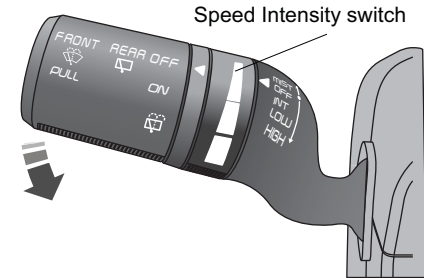
This is the normal position of the wiper lever, where the wiper is not in operation.

### Flick Wipe (MIST)



For a single wiping cycle, push the lever upward and release it. The wipers will operate continuously if the lever is pushed and held upward.

### Intermittent (INT)



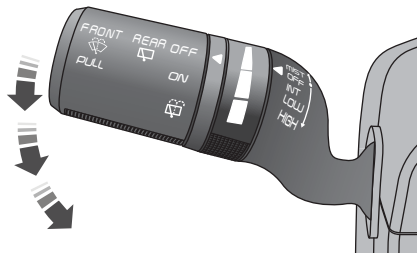
Push the lever downward to select intermittent (INT) wiping. Wiper operates intermittently at the same wiping intervals. Use this mode in light rain or mist. To vary the speed setting, rotate the speed intensity switch.

## Low Speed Wiping (LOW)



Push the lever further downwards to select the low speed wiping (LOW).

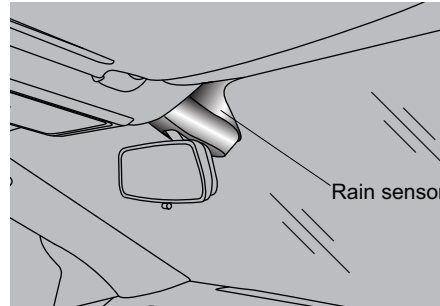
## High Speed Wiping (HIGH)



Push the lever again downwards to select the high speed wiping (HIGH).

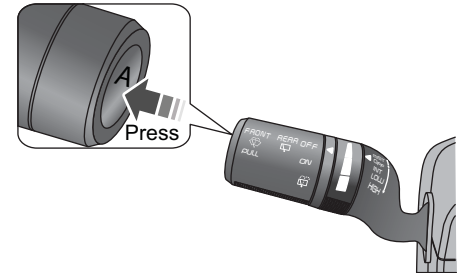
## Auto Wipe (If equipped)

Your vehicle is fitted with rain light sensor (located on front windshield) which operates the front wiper when rain drops falling on front windshield is detected.

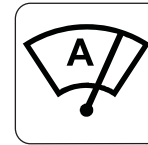


### Operation

1. Turn ON the Ignition
2. To activate the "AUTO WIPE" feature, press Auto Wipe switch



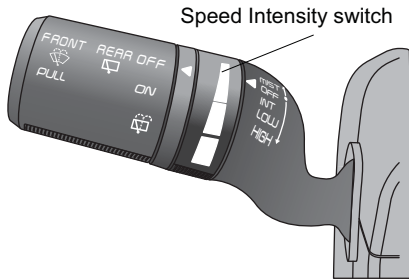
3. Once "AUTO WIPE" mode is activated, system will give one wipe on a windshield and Auto wipe indicator illuminates in the Infotainment system, indicating that AUTO WIPE feature is activated.



4. Wiper speed will vary as per rain intensity.

# FEATURES AND CONTROLS

5. Sensitivity of the sensor can be varied by using speed intensity switch.



6. This feature will get deactivated either by turning OFF the ignition or repressing the AUTO WIPE switch.

## CAUTION

- ***In case of any damages/ scratches to windshield, new sensor needs to be installed/ assembled along with new windshield***
- ***Old sensor can not be used on the new windshield as it is calibrated for a particular windshield***

## WARNING

- ***Do not put any band/tape outside the sensor on windshield.***
- ***Do not use any Chemical or Thinner to clean inner surface of front windshield to avoid any damage to the sensor.***
- ***After sensing the water on windshield, wiping will start automatically. It might be possible that even after there is no water on windshield but still wipers will keep on wiping. This is because of the mist may present on windshield. This is absolutely a normal behavior.***
- ***Sensor can not detect difference between water and mud, ice, snow, oil etc. Under these conditions, sensor may not behave properly. If required, turn OFF "AUTO WIPE" mode manually.***

## Front Windshield Washer



Pull the lever gently towards steering wheel to spray washer fluid on the windshield and to run the wipers for 1-2 cycles. Use this function when the windshield is dirty. The spray and wiper operation will continue until you release the lever. If the washer does not work, check the washer fluid level. If the fluid level is not sufficient, fill the windshield washer fluid in the washer reservoir. The front windshield washer reservoir in the engine compartment.

## **WARNING**

*Do not operate the windscreen washer for more than 10 seconds or when the reservoir is empty. Do not operate the wipers when the windshield is dry. It may scratch the glass. Using wind screen washer in freezing temperatures could be dangerous. The washer fluid could freeze on the windscreen and may block your vision resulting in an accident. Use anti-freeze fluid and warm the windshield before using the washer. Failure to comply can lead to accident.*

## Rear Wiper Control Lever

The rear wiper and washers operate when the ignition switch is in the ON position.

## Rear Window Wiper



To turn ON the rear window wiper, rotate the lever in clockwise direction to rear wiper ON position.

## Rear Window Washer



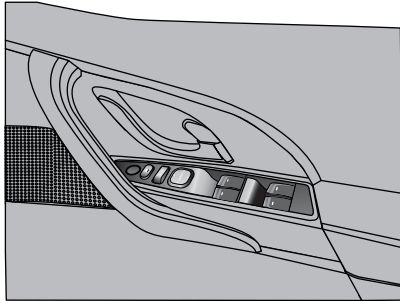
To turn ON the rear window washer, rotate the lever in clockwise direction to rear wiper washer position.

Once rear washer is turned ON, rear wiper will wipe 3 times.

## Automatic Operation

When reverse gear is engaged, rear wiper will operate automatically, provided front wiper is in ON position.

## Power Windows



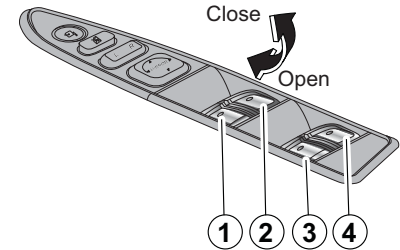
The ignition switch must be in the ON position for the power windows to operate. The driver's door has a master power window switch that controls all the windows in the vehicle whereas other doors have single power window switch.

### WARNING

- **Isolate the rear window switches when carrying by using rear window child lock switch**
- **Ensure that children are kept clear while raising or lowering the windows**
- **Ensure that all adult passengers are familiar with the controls and the potential danger of electrically operated windows**
- **In the event of freezing up of the window glass, first of all eliminate the ice and then operate the power windows otherwise the power window mechanism could be damaged**

## Window Opening and Closing

### Driver Door Power Window Switches



1. Front Passenger's door power window switch
2. Driver's door power window switch
3. Rear left passenger's door power window switch
4. Rear right passenger's door power window switch

### Opening a Window

Press the switch downward to open the window.

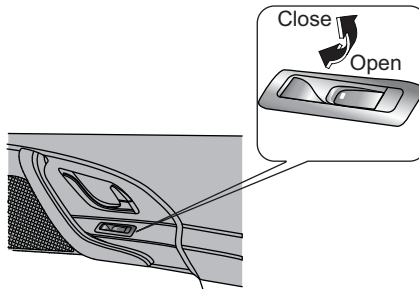
## Closing a Window

Pull the switch upward to close the window.

### WARNING

*Never try to operate the driver window switch and the individual door window switch in the opposite directions at the same time. Failure to comply can lead to damage or malfunctioning of the power window system.*

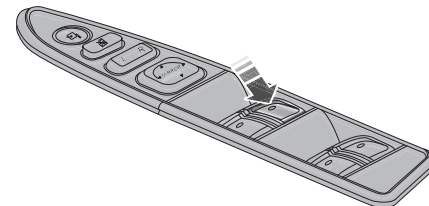
## Passenger Door Power Window Switch



Front passenger and rear power windows can be operated from the switch located on the respective door armrests. The rear window switches will not operate if the child lock switch is activated.

## Express-Down Window (If equipped)

The window switch has an express-down feature that allows the window to be lowered without continuously holding the switch.

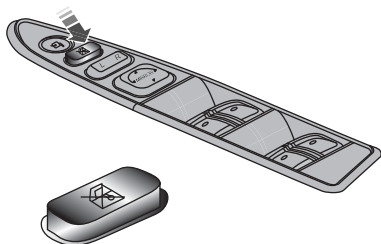


Press the switch all the way down for a moment and release it, the window will roll down automatically. To stop the window while it is lowering, press and release the top of the switch.



# FEATURES AND CONTROLS

## Rear Window Child Lock Switch



Press the child lock switch to isolate the window switches in the rear doors.

Press the switch again to restore independent control.

### **WARNING**

*Leaving the power window switch disabled with children in the vehicle is dangerous. Never allow children to play with power window switches, to avoid injury to hand, head, neck or body. Failure to comply can lead to minor or major injury.*

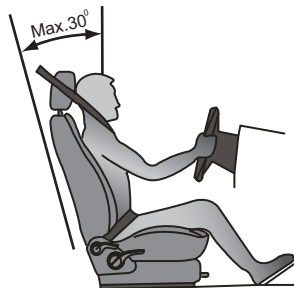
## Seats

The seats are designed based on modern ergonomics to suit the driver's and passenger's comfort level as top priority. The seats are provided with all necessary adjustments to enhance the passenger's comfort. While driving the vehicle ensure that the driver and passengers are seated upright with seat belts fastened. An ideal seating position is vital for relaxed and fatigue free drive.

### CAUTION

***Do not drive the vehicle unless the occupants are properly seated with their seat belts fastened. Do not allow any passengers to seat on top of the folded down back-rest in the luggage compartment or cargo area.***

## Sitting in Correct Position



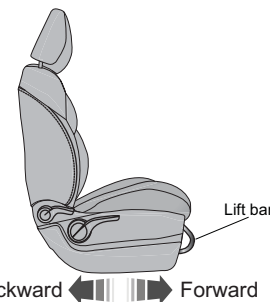
It is recommended to seat in an upright position with base of the spine away from the steering wheel. Always maintain a back-rest inclination of 30°. Adjust the head restraint so that the top of the restraint is at the same height as the top of the occupant's head. This position reduces the chances of a neck injury in a crash.

### CAUTION

***Do not adjust the driver seat while driving, it may divert attention of the driver and lead to an accident. Adjust the driver seat only when the vehicle is stationary.***

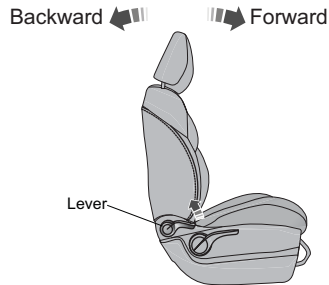
## Front Seats

### Seat Slide



To adjust the driver/co-driver seat forward or backward, pull the lift bar beneath the seat, upwards and exert slight body pressure to position the seat in the desired direction. Release the lift bar to lock the position. Make sure that the seat is arrested properly once the lift bar is released. Push the seat forward and backward to check.

## Seat Recline



To adjust the seat back-rest, lean forward and pull up the recliner lever found on the outboard right hand side of the seat. Now lean back until the desired seat back angle is achieved. To lock the seat back into position, release the recliner lever.

Ensure that the lever returns to its original position and back-rest is locked.

### **WARNING**

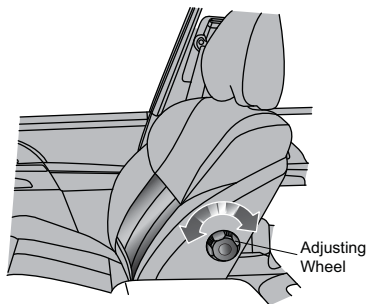
***Avoid reclining on the back-rest more than the required level. The seat belts provide maximum protection during collision when the driver and the front passenger are sitting upright with the back-rest well positioned. During collision, with the seats reclined, the lap belt may slide past the passenger hips and apply restraint forces directly to the abdomen or neck. Failure to comply can lead to major injury or death.***

### **CAUTION**

***Sitting in a reclined position while the vehicle is moving is dangerous. For maximum protection, sit well back and upright. When returning the back-rest to the upright position, observe the following precautions to prevent personal injury during collision or sudden stop.***

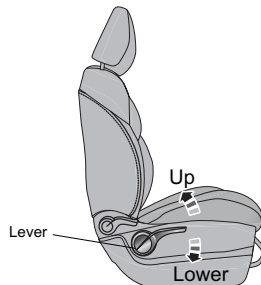
- Make sure that the back-rest is securely locked by pushing it forward and backward.***
- Make sure that the seat belts are not twisted or caught in the backrest and are arranged in their proper position, and ready to use***

## Lumbar Support (if equipped)



Lumbar supports are placed to enhance comfort level. The lumbar contour of the lumbar support can be adjusted by means of the adjusting wheel found on the inboard side of the back-rest to provide supplementary support to the spinal column of the driver, and to maintain a relaxed upright posture while driving.

## Seat Height Adjustment (If equipped)

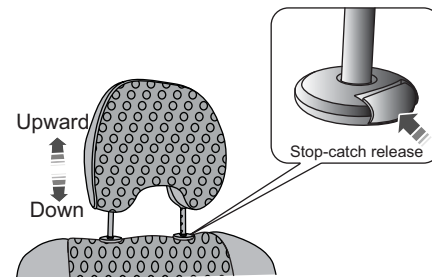


The seat height adjuster is located on the outboard side of the seat. To raise the seat, pull the lever upward until the seat is at the desired height. To lower the seat, push the lever downward until the seat is at the desired height.

### NOTICE

***Height adjustment of the seat cushion varies from person to person to accommodate individual height requirements. Prior to driving the vehicle, adjust the seat cushion height as per requirement.***

## Head Restraint



Adjust the head restraint so that the top of the restraint is at the same height as the top of the occupant's head. This position reduces the chances of a neck injury in a crash.

To raise the head restraint, push and raise the head restraint upward.

To lower the head restraint, push and hold the stop-catch release, and push the head restraint down.

To remove the head restraint, push and hold the stop-catch release, pull the head restraint up to the highest position and remove it from the seat.

## WARNING

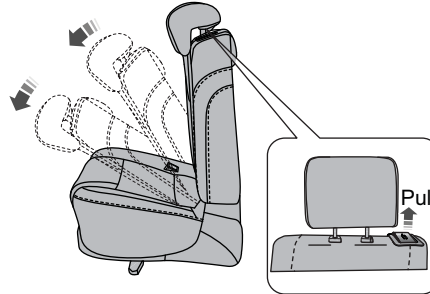
- Do not adjust the head restraint position of the driver's seat while the vehicle is in motion.
- Driving with the head restraints adjusted too low, flipped or removed is dangerous. Improper support to the neck can lead to serious injury during a collision.

## NOTICE

*After adjusting the head restraint, make sure it is locked in position.*

## Second Row Seats

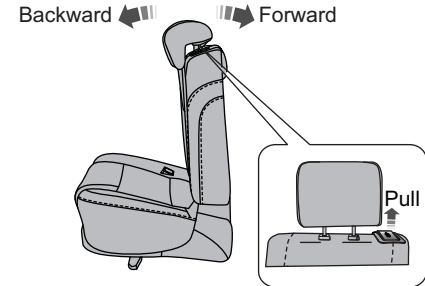
### Seat Folding



Second row seats can be folded using seat folding lever, located on the upper corner of the second row seat back-rest.

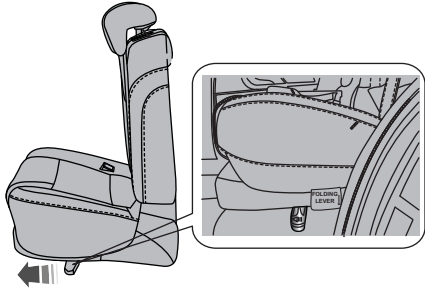
To fold the back-rest, pull the lever. To return the second row seat to a seating position, lift the back-rest and push it to an upright position till it locks in to position.

### Second Row Seat Recline



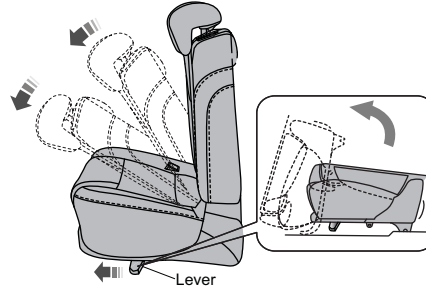
To adjust the seat back-rest, lean forward and pull up the seat folding lever located on the upper corner of the second row seat back-rest. Now lean back until the desired seat back angle is achieved. To lock the seat back into position, release the folding lever.

## Passenger Access to Third Row



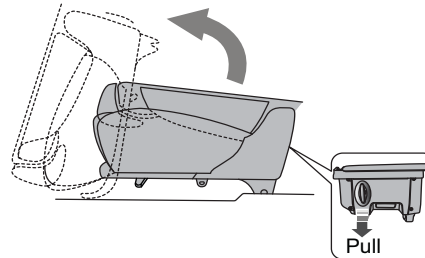
The second row seats are designed as foldable type to enable the passenger to gain entry into the third row.

To gain access to third row, first fold the second row seat using the seat folding lever. Then push the lever, located beside the seat, forward to double fold the seat. The lever decal information available in the seat.



To return the seat back to the original position once the passenger enters the third row, move the back-rest till it gets locked into position.

## Passenger Exit from Third Row

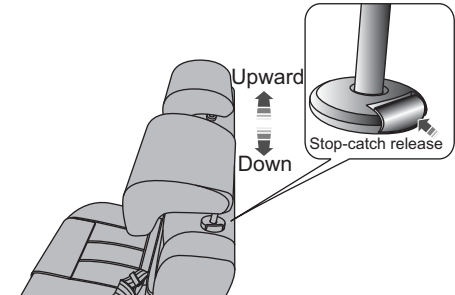


The passenger seated in the third row can exit the vehicle by pulling the lever found behind the second row seat facing the third row passenger.

### **WARNING**

*Driving with a passenger seated on the folded back-rest is highly dangerous. Failure to comply can lead to a major injury.*

## Head Restraint



Adjust the head restraint so that the top of the restraint is at the same height as the top of the occupant's head. This position reduces the chances of a neck injury in a crash.

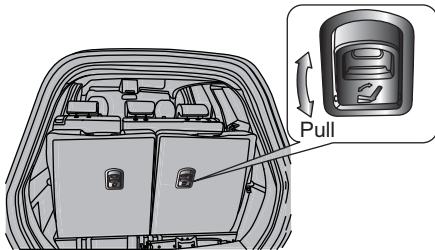
To raise the head restraint, push and raise the head restraint upward.

To lower the head restraint, push and hold the stop-catch release, and push the head restraint down.

To remove the head restraint, push and hold the stop-catch release, pull the head restraint up to the highest position and remove it from the seat.

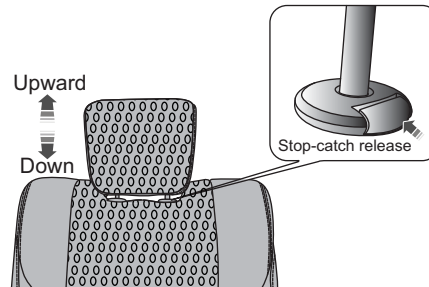
## Third Row Seats

### Seat Folding



The third row back-rest can be folded flat so that they are at the same level as the rear cargo area. This allows more cargo space. The rear seats can be folded by means of the lever located on back of the seat to release the back-rest and push the back-rest forward until it lies flat.

### Head Restraint



Adjust the head restraint so that the top of the restraint is at the same height as the top of the occupant's head. This position reduces the chances of a neck injury in a crash.

To raise the head restraint, push and raise the head restraint upward.

To lower the head restraint, push and hold the stop-catch release, and push the head restraint down.

To remove the head restraint, push and hold the stop-catch release, pull the head restraint up to the highest position and remove it from the seat.

### WARNING

***Loading luggage or cargo higher than the back-rest is dangerous. During a sudden stop or collision, objects may become projectiles that could hit and injure passengers. Do not stack luggage higher than the back-rest. Failure to comply can lead to major injury.***

## Seats Belts

### A word about Seat Belts



The seat belt system helps in reducing the severe injury during accidents, collision and sudden stops. Mahindra strongly urges that the driver and passengers fasten their seat belts while travelling, irrespective of the journey duration, to reduce the severity of injury in case of accidents.

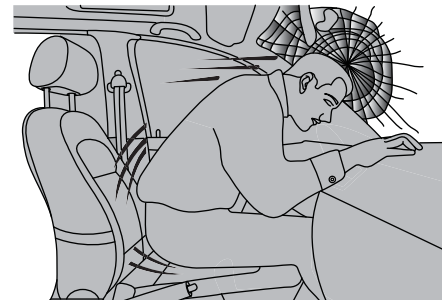
Your vehicle is fitted with 3 point type seat belts with retractors, inertia locks and pretensioners. The locks allow the belts to remain comfortable on users, but will lock itself in position during a sudden impact or collision. The seat belts provided are designed to suit and protect people of various sizes, right from a child to an adult.

### WARNING

***Always wear a seat belt when seated inside the vehicle. During a collision, occupants not wearing seat belts tend to hit other passengers or components inside the vehicle, with the possibility of being thrown out of the vehicle. Failure to comply can lead to major injury or death.***

## Importance of wearing Seat Belts

### Front occupants not wearing a Seat Belt



In the event of a frontal collision, occupants not wearing a seat belt, are thrown forward. The occupants of a vehicle who have not fastened their seat belts may even be thrown out of the vehicle. This can result in serious injuries.



## Rear occupants not wearing a Seat Belt



It is also important that rear seat occupants fasten their seat belts as they will otherwise be thrown through the vehicle in an uncontrolled manner in the event of an accident. A rear seat passenger who has not fastened the seat belt is a danger not only to himself but also to those seated at the front.

## Seat Belt Safety Warnings

### **WARNING**

- *Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. Slack in the belt greatly reduces the purpose of the belt.*
- *Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals. Cleaning should be carried out using mild soap and water only.*
- *The belt should be replaced if webbing becomes frayed, contaminated, or damaged.*
- *Using a damaged seat belt is dangerous. An accident could damage the belt webbing. The damaged seat belt cannot provide proper protection during a collision. Contact a Mahindra Authorised Dealer to inspect the seat belt system after an accident before they can be used again.*

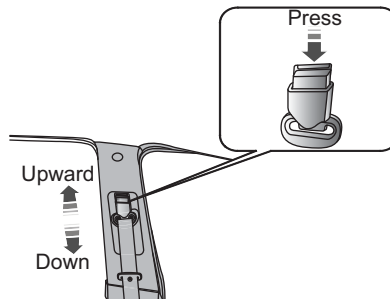
### **WARNING**

- *Belts should not be worn with twisted straps. Each seat belt assembly must only be used by one occupant. It is dangerous to put a belt around a child being carried on the occupant's lap. No modifications or additions should be made by the user, which either prevents the seat belt adjusting devices from operating to remove slack or prevent the seat belt assembly from being adjusted to remove slack. Belt retraction may become difficult if the belts and rings are soiled. Ensure they are always clean.*
- *Replace the damaged seat belts after an accident. If not replaced, it will increase the level of injury during the next collision. Failure to comply can lead to major injury or death.*

## **⚠ WARNING**

- **No two persons (also not children) should ever use a single seat belt together.**
- **The maximum protection which seat belts can offer is only achieved if you are correctly seated.**
- **Bulky, loose clothing (e.g. a winter coat over a jacket) does not allow you to be correctly seated and impairs proper operation of the seat belts.**
- **The lock tongue should only be inserted into the lock which is the correct one for your seat. Wrong use of the safety belt will reduce its capacity to protect and the risk of injury increases.**
- **The seat back-rest must not be tilted too far to the rear otherwise the seat belts can lose their effectiveness.**
- **The slot of the belt tongue must not be blocked by paper or similar objects otherwise the belt tongue will not lock in place properly.**

## Seat Belt Height Adjuster



The seat belt height adjuster makes possible for you to adapt the routing of the front seat belt in the area of the shoulder to match your body size.

- To adjust the belt height press the height adjuster and move it up or down
- Then pull firmly on the belt to ensure that the seat belt height adjuster has correctly locked in place

## **⚠ WARNING**

**Adjust the height of the belt in such a way that the shoulder part of the belt is positioned approximately across the middle of your shoulder on no account across your neck.**

## Fastening the Seat Belt

- Adjust the seat as required and sit straight and well back in the seat.



- To fasten the seat belt, pull out the belt from the retractor, pull the metal tab into the buckle. A “click” sound comes when the tab locks into the buckle.



- The seat belt automatically adjusts to the proper length only after the lap belt portion is adjusted manually so that it fits snugly around the hips
- If the passenger leans forward in slow motion, the belt will extend and allow the passenger to move around. If there is a sudden jerk or impact, the belt will lock into position. It will also lock if the passenger tries to lean forward too quickly
- If you are not able to pull out the seatbelt from the retractor, firmly pull the belt out and release it. Then you will be able to pull the belt out smoothly

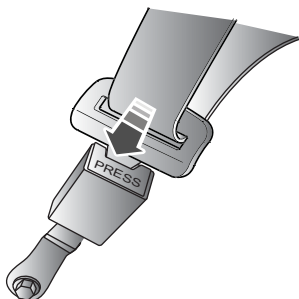
## NOTICE

**Seat belts are designed to bear upon the bone structure of the body, and should be worn low across the front of the pelvis, chest and shoulders as applicable. Wearing the lap section of the belt across the abdominal area must be avoided.**

## WARNING

- ***The shoulder part of the seat belt must never run across your neck but must run approximately over the middle of the shoulder and fit snugly against the chest. The lap part of the belt must run across the hip and must never be routed across the stomach. It must always fit snugly. Adjust the belt webbing as required.***
- ***The lap part of the belt should be positioned as low as possible at the pelvis of an expectant mother in order to avoid exerting any pressure on the lower abdomen.***
- ***Always ensure that the webbing of the seat belts is properly routed. Seat belts which are not correctly adjusted can themselves cause injuries even in minor accidents***
- ***A seat belt which is hanging too loose can result in injuries as your body is moved forward by the kinetic energy produced in an accident and is then suddenly held firm by the belt***

## Releasing the Seat Belt



To release the belt, press the buckle release button and allow the belt to retract. If the belt does not retract smoothly, pull it out and check for kinks or twists. Then make sure it remains untwisted as it retracts.

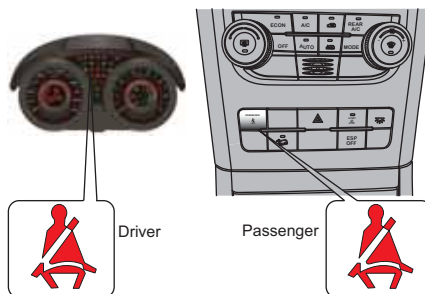
### **WARNING**

***Do not use the seat belt in a twisted condition as the full width of the belt is not available to absorb the impact. Failure to comply can lead to minor or major injury.***

### **WARNING**

- ***After inserting the tab, make sure that the tab and buckle are locked and the belt is not twisted.***
- ***Do not insert coins, clips, etc. in the buckle as this may prevent the tab and buckle from latching.***

## Seat Belt Warning Indicator



### Driver

Once the ignition is turned ON, driver seat belt reminder warning lamp will flash till the driver seat belt is engaged.

Once the engine is turned ON, buzzer will sound for 30 seconds if the driver seat belt is not engaged.

### Passenger

When the front passenger does not wear seat belt, the seat belt warning indicator glows on the central bezel switch bank.

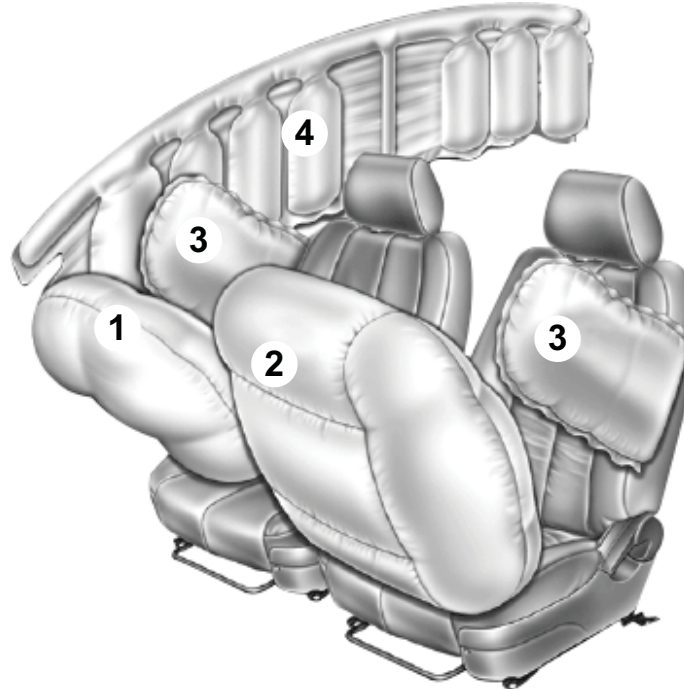
## Pregnant women and occupants under medication



Pregnant women should also wear seat belts. Consult the doctor for specific recommendations. The lap belt should be worn snugly and as low as possible over the hips and below the stomach. The shoulder belt should be worn across the shoulder properly, but never across the stomach area.

Passengers with serious medical conditions should also wear seat belts. Consult the doctor for any special instructions regarding specific medical conditions.

## SRS Airbag (If equipped)



1. Driver airbag

2. Front passenger airbag

3. Side airbag

4. Curtain airbag

The SRS (Supplemental Restraint System) airbags are designed to provide protection for the driver and front passenger in addition to the primary safety protection provided by the seat belts and seat belt pre-tensioners. The airbag system controls airbag deployment power for the driver and front passenger. In response to severe frontal impact, the SRS airbags work with the seat belts to reduce injury by inflating. The SRS airbags reduce injuries mainly to the driver's and front passenger's head or chest caused by hitting the vehicle interior.

Always wear your seat belt properly for adequate protection during accidents. Seat belt usage is necessary to:

1. Keep the passenger away from the inflating airbags
2. Reduce the possibility of injuries during accidents such as roll-over or rear impact
3. Reduce the possibility of injuries in frontal collisions that are not severe enough to activate the airbags

4. Reduce the possibility of being thrown from your vehicle during collision
5. Reduce the possibility of injuries to lower body and legs during an accident
6. Hold the driver in correct position which allows better control of the vehicle

## CAUTION

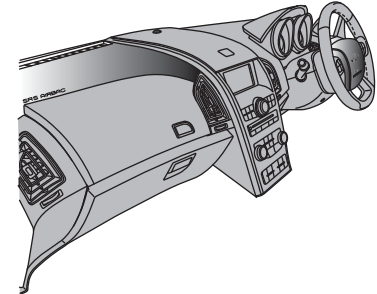
***The airbag is a supplementary restraint system that provides additional protection in a severe impact only. It does not replace the need to wear a seat belt. Relying on the airbags alone could lead to more severe injuries in a collision. The airbags work with your seat belt to restrain you properly. In some collisions, the airbags won't deploy at all. Always wear your seat belts even though you have airbags.***

## SRS Airbag Location

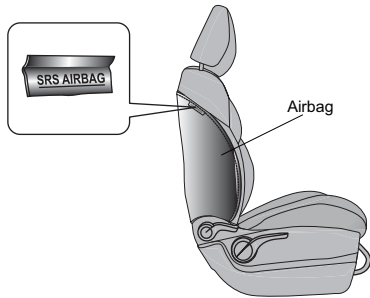
The supplementary restraint systems include six airbags.

The words "SRS AIRBAG" are embossed on the airbag covers.

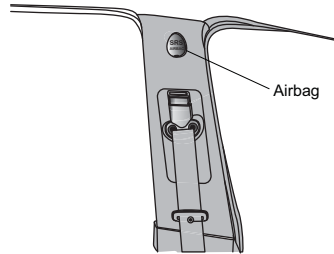
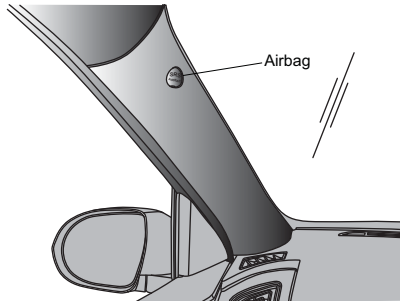
1. **Driver airbag** - located in steering wheel hub.
2. **Front passenger airbag** - integral with the instrument panel, mounted above the upper glove box.



3. **Side airbags** - Outboard side of driver and co-driver seat.



4. **Curtain airbag** - Both sides of the roof rails.



## How SRS airbag work?

When SRS airbag module detects a frontal impact, an electrical impulse is sent to the inflators to inflate the airbags after which the airbags quickly inflate. The airbags will function only once and should be replaced by an Authorised Mahindra Dealer immediately.

## CAUTION

*The driver or front passenger who is too close to the steering wheel or instrument panel during airbag deployment can be seriously injured. Mahindra strongly recommends that:*

- *The driver sits well back from the steering wheel while still maintaining control of the vehicle*
- *All vehicle occupants to be properly restrained using the seat belts*
- *All infants and children to be placed in the rear seat of the vehicle and should be properly restrained*

## NOTICE

- *The front airbags will deploy only in a frontal or frontal offset impact*
- *The side airbags will deploy only in side impact.*



## Airbag Obstructions

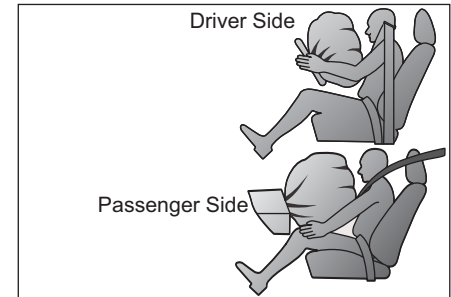
To ensure correct deployment of the airbags, it is essential that obstructions are not allowed to intervene between an airbag and the occupant. The following are examples of the type of obstructions that could either, impede correct operation of the airbags, or jeopardize personal safety in the event of an airbag deployment:

1. Accessories attached to or obstructing an airbag
2. Items of hand luggage or other objects placed on an airbag cover
3. Non-approved seat covers/ accessory seat covers fitted over a front seat; in particular, seat covers that have not been designed for use with side airbags. This may result in adverse performance and / or objects could be pushed towards you, causing serious injury. In case any doubt or assistance is required, seek advice from a Mahindra Authorised Dealer

### **WARNING**

***Modifying the components or wiring of the supplementary restraint system is dangerous. You could accidentally activate it or make it inoperable. Don't make any modifications to the supplementary restraint system. This includes installing trim, badges, or anything else over the airbag storage areas. It also includes installing extra electric equipment on or near system components or wiring. Failure to comply can lead to malfunctioning of SRS airbags during an impact.***

## Operation of Front Airbags



The airbag system is designed in such a way that the driver and front passenger airbag are deployed in the event of a frontal collision of major severity.

In certain accident situations, the front, side and curtain airbag are simultaneously deployed.

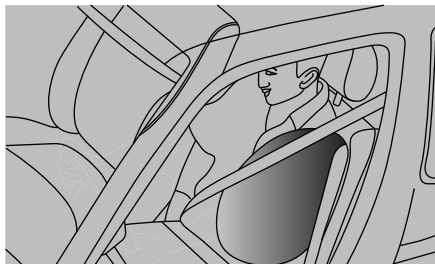
If the airbags are deployed, the airbags are filled with a propellant gas and inflated in front of the driver and front passenger. The movement of the driver and of the front passenger is cushioned when they make contact with the fully inflated airbag and the risk of injury to head and chest is thus reduced.

The specially developed airbag allows the gas to flow out of the inflated airbag in a controlled manner in order to cushion curtain and chest areas. The airbag then deflates subsequently to such an extent, after an accident, to again provide a clear view forward.

A grey white, non harmful gas is released when the airbag is inflated. This is perfectly normal and is not an indication of a fire in the vehicle.

The airbag develops enormous forces and temperature when triggered, which can lead to injuries if the sitting position or seated position is not correct.

## Operation of Side Airbags



In the case of a violent side crash, the side airbag in the front seat and the curtain airbag on the side on which the collision occurs are deployed.

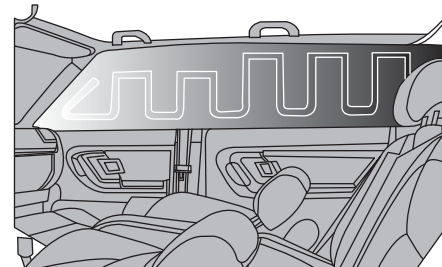
In certain accident situations, the front, side and curtain airbag are simultaneously deployed.

If an airbag is deployed, the airbag is filled with gas.

The load of the occupants is cushioned when plunging into the fully inflated airbag and the risk of injury to the entire upper body (chest, stomach and pelvis) is reduced on the side facing the door.

A grey white, non harmful gas is released when airbag is inflated. This is perfectly normal and is not an indication of a fire in the vehicle.

## Operation of Curtain Airbags



In the case of a side collision the curtain airbag is deployed together with the relevant side airbag on the side on which the accident occurs.

If the system is deployed, the airbag is filled with propellant gas and covers the entire area of the side window including the door pillars.

The protection offered by the curtain airbags is thus available simultaneously both to the front occupants of the vehicle seated on the side on which the collision occurs, as well as to the rear occupants. Any impact of the curtain against parts of the interior or objects outside of the vehicle, is cushioned by the inflated curtain airbag. The reduction in any impact to the curtain and the resultant minimizing of any movements of the curtain additionally reduce the risk of injuries to the neck area. In certain accident situations, the front, side and curtain airbags are simultaneously deployed.

A grey white, non harmful gas is released when airbag is inflated. This is perfectly normal and is not an indication of a fire in the vehicle.

## What will you see after an airbag inflates?

The frontal airbag inflates and deflates so quickly that some people may not even realise the airbag being inflated. Side impact airbags deflate at a slower pace and may still be partially inflated after the vehicle coming to rest. Some components

of the airbag module, the steering wheel hub housing the driver's airbag, the instrument panel for the front passenger's airbag or the garnish trim and ceiling of the vehicle near the side windows may be hot for a short time. The parts of the airbag that come into contact with you may be warm, but not too hot to touch. Smoke and dust coming from the vents in the deflated airbags can be experienced. Airbag inflation does not prevent the driver's visibility through windshield.

## NOTICE

***Vehicle has a feature that automatically unlock the doors, turns the interior lights ON, and turns the hazard warning lamps ON when the airbags inflate (if battery power is available). You can lock the doors again, turn the interior lights OFF, and turn the hazard warning lamps OFF.***

## WARNING

- ***An inflating airbag can cause facial abrasions and other injuries. Minimize the risk of injury by ensuring that front seat occupants are wearing their seat belts and are seated correctly.***
- ***For the curtain airbags to deploy correctly, the roof lining and "A" pillar trim must be undamaged and fitted correctly. Any damage or suspect fitting should be referred to Mahindra Authorised Dealer.***
- ***Do not fit any bull bars or additional devices in front of the vehicle as this can have adverse effects on the functioning of the SRS system.***

 CAUTION

***When an airbag inflates, there is dust in the air. This dust could cause breathing problems for people with a history of asthma or other breathing trouble. To avoid this, everyone in the vehicle should get out as soon as it is safe to do so. If you have breathing problems but cannot get out of the vehicle after an airbag inflates, then get fresh air by opening a window or a door. If you experience breathing problems following an airbag deployment, you should seek medical attention.***

## SRS Airbag Warning Light (If equipped)



A warning indicator in the instrument cluster will alert you to any malfunction of the SRS airbag. The vehicle should always be checked for SRS airbag by Mahindra Authorised Dealer if any of the following symptoms occurs:

1. The warning indicator fails to illuminate when ignition switch is turned ON
2. The warning indicator fails to extinguish within approximately 4 seconds when the ignition switch is turned ON
3. The warning indicator illuminates after the engine is started or while the vehicle is being driven

## Airbag maintenance

The airbag systems do not require regular maintenance. But, if any of the following occurs, take your vehicle to an Authorised Mahindra Dealer as soon as possible:

1. The airbag system warning light flashes
2. The airbag system warning light remains ON, when the ignition is turned to the ON position
3. The airbags inflate
4. The front or side of the vehicle is damaged, even if the airbag has not inflated
5. Any part of the airbag module cover shows sign of cracking or damage

For your safety it is recommended that you always contact the Mahindra Authorised Dealer to carry out any of the following:

1. Removal or repair of any wiring or component in the vicinity of any of the SRS components, including the steering wheel, steering column and the instrument cluster
2. Modification to the front or side of the vehicle, including the bumper and chassis
3. Attachment of accessories to the front or side of the vehicle

## WARNING

- *If the airbag is not serviced when a warning is given, the airbag may not function properly in the event of collision, or may deploy unexpectedly.*
- *Driving with the damaged airbag sensors is dangerous. A collision, even if not strong enough to inflate the airbags, could damage the airbag deployment sensors, and airbags will not inflate during a subsequent collision. Always have an Authorised Mahindra Dealer inspect the airbag system after a collision.*
- *Improper disposal of an airbag or a vehicle with live airbags in it can be extremely dangerous. See an Authorised Mahindra Dealer for disposal of parts.*

## WARNING

- *Do not attempt to service, repair, replace, modify or tamper with any part of the pre-tensioner and SRS airbag SRS, or wiring in the vicinity of a pre-tensioner or SRS airbag component. This could cause the system to activate, resulting in personal injury.*
- *Do not use chemical solvents or strong detergents when cleaning the steering wheel or instrument panel to avoid contamination of the airbag system. Wiping with a damp cloth only is recommended.*

## NOTICE

*Should you sell your vehicle, we urge you to tell the new owner about SRS airbags and get familiarize with all instructions about SRS airbag from the Owner's Manual.*

## Seat Belt Pre-tensioners with Load Limiters (If equipped)

The seat belt pre-tensioners activate in conjunction with the SRS airbags and provide additional protection in the event of frontal impact of the vehicle with sufficient severity.

The seat belts for both front seating positions are equipped with pre-tensioning devices that are designed to remove any slack from the seat belts in the event of a collision. These devices improve the performance of the seat belt system by assuring that the belt is tight around the occupant in a collision.

Along with pre-tensioning devices, the seat belts are also provided with load limiters which ensure that the occupant is optimally loaded by the seat belt.

The SRS airbag warning indicator on the instrument cluster will alert you to any malfunction of seat belt pre-tensioner.



## WARNING

- *These devices are not a substitute for proper seat belt placement by the occupant. The seat belt must still be worn snugly and positioned properly.*
- *The seat belt pre-tensioner will only be activated once and then must be replaced by the Mahindra Authorised Dealer. Failure to do so will reduce the efficiency of the restraint system.*
- *After any impact, always have the seat belts and pre-tensioners checked and if necessary replace through Mahindra Authorised Dealer.*

## Child Restraint System



A child restraint system for a small child or baby must be properly restrained on the seat with the lap portion of the lap/shoulder belt. You must carefully consult the manufacturer's instructions which accompany the child restraint system, about the appropriate age and size of the child. The child restraint system should be installed in the rear seat. According to accident statistics, the child is more safe when properly restrained in the rear of the vehicle than in the front. When not using the child restraint system, keep it secured

with the seat belt or place it somewhere other than the passenger compartment. This will prevent it from injuring passengers in the event of a sudden stop or accident.

### NOTICE

***Our approved child restraint system is available as accessories. You can contact Mahindra Authorised Dealer for proper selection and usage.***

### Child Restraint Precautions

Mahindra strongly urges the use of appropriate child restraint systems for children. If a child is too big for a child restraint system, the child should sit in the rear seat and must be restrained using the vehicle's seat belt. (Refer to **seat belts section for additional information**)

For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding the child in your arms is not a substitute for a child restraint system. In an accident, the child can be hit against the windshield, or between you and the vehicle's interior.

1. Mahindra strongly urges use of a proper child restraint system which conforms to the size of the child
2. It is to be installed in the rear of the cabin as per the instructions given by the manufacturer
3. Never put an infant or child on the left front passenger seat. In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury
4. If installing a child restraint system with the seat belt extender connected to the seat belt, the seat belt will not securely hold the child restraint system, which could cause death or serious injury to the child or other passengers in the event of a collision

5. If the driver's seat position does not allow sufficient space for safe installation, install the child restraint system on the rear left seat
6. After inserting the tab, make sure the tab and buckle are locked and that the lap and shoulder portions of the belt are not twisted
7. Do not insert coins, clips, etc. In the buckle as this may prevent your child from properly latching the tab and buckle
8. Push and pull the child restraint system in different directions to ensure that it is secured properly

## Restraint System Check

Now and then, make sure the safety belt reminder light and all your belts, buckles, latch plates, retractors and anchorages are working properly. Look for any other loose or damaged safety belt system parts. If you see anything that might keep a safety belt system from doing its job, have it repaired. Torn or frayed safety

belts may not protect you in a crash. They can rip apart under impact forces. If a belt is torn or frayed, get a new one right away. Also look for any opened or broken airbag covers, and have them replaced.

### NOTICE

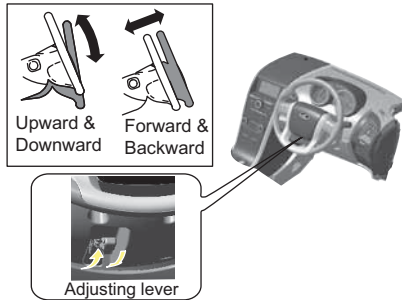
***In case of any damage to airbag covering, the airbag module needs replacement. Take your vehicle to nearest Authorised Mahindra Dealer as soon as possible for replacement of airbag module.***



# FEATURES AND CONTROLS

## Steering Wheel

### Steering Wheel Adjustment (if equipped)



You can set the height and the forward/backward position of the steering wheel to the desired position.

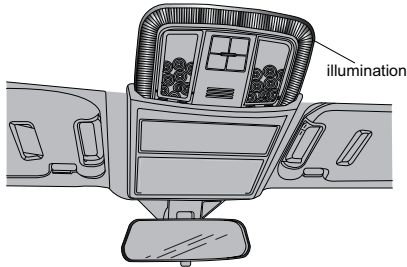
- Pull down the adjusting lever located below the steering column and hold in this position
- Set the steering wheel to the desired position
- Release the lever to lock the steering column in position

### WARNING

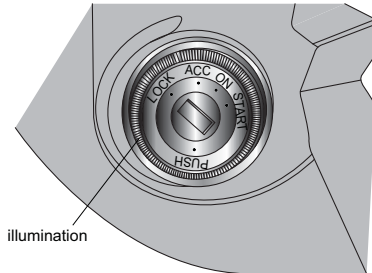
- *Never adjust the steering wheel while driving. You may lose your steering control and cause severe personal injury or accidents.*
- *After adjusting the steering wheel position, push the steering wheel up and down to ensure that it is in locked condition.*

## Interior Lamps

### Front Roof Lamp Illumination



### Ignition Switch Lamp Illumination



The ignition switch ring and front roof lamp illuminates when:

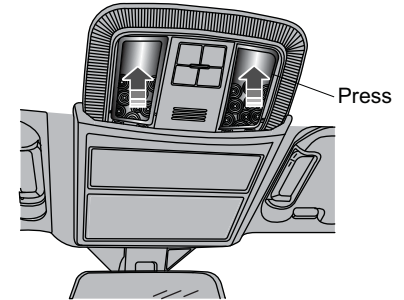
1. Opening the doors
2. Removing the key from the ignition switch
3. A vehicle crash (vehicle equipped with SRS airbag only)

This illumination helps in finding the ignition switch and interior space in low light condition.

The illumination will be turned OFF with

1. Closing all doors
2. Enabling the central locking
3. Travelling at a speed greater than 5 kmph
4. Switching the ignition switch to ON position

## Front Roof Lamp



Turn ON the roof lamp by pressing the lens. Press the lens again to turn it OFF. The front roof lamp can be used at all times.

## Rear Roof Lamp



1. ON Position 2. Door Position 3. OFF Position

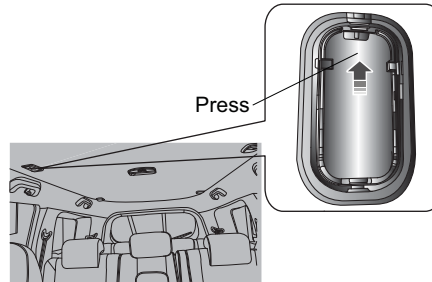
The rear roof lamp has a three position switch.

1. Door position - The lamp illuminates when any of the door is opened or key is removed from the ignition switch
2. ON position - The lamps are always switched ON
3. OFF position - The lamps are always switched OFF

## NOTICE

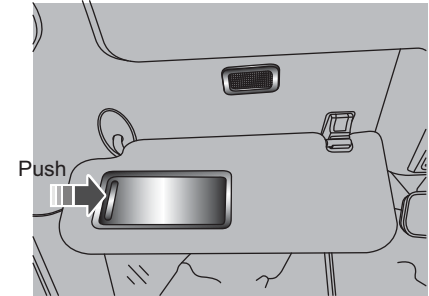
*In a SRS enabled vehicle, rear roof lamp will be turned ON during a vehicle crash if the switch is in door position.*

## Map Reading Lamp (If equipped)



Turn ON the map reading lamp by pressing the lens. Press the lens again to turn it OFF. You can use the map reading lamp at all times.

## Vanity Mirror Lamp

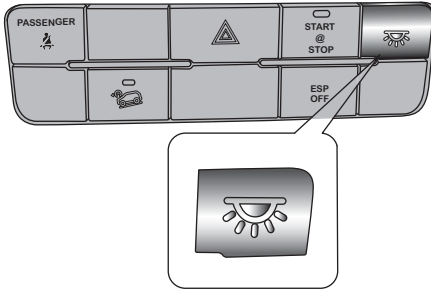


On opening the vanity mirror cover, the vanity mirror lamp will illuminate automatically. The lamp will turn OFF once the vanity mirror cover is closed.

## NOTICE

*The vanity mirror lamp is available only on the front passenger side.*

## Ambience Lamp



Ambience light will be ON till the ambience lamp switch is turned ON and it turns OFF automatically on locking the door.

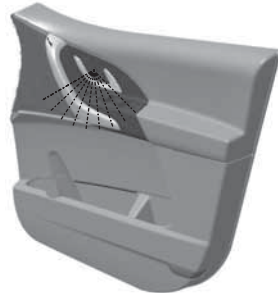
Ambience light will be ON again after unlocking the door provided the switch is in ON position.

Once ambience lamp switch is turned ON, ambience light can be seen at below locations:

### 1. Map pocket lamp



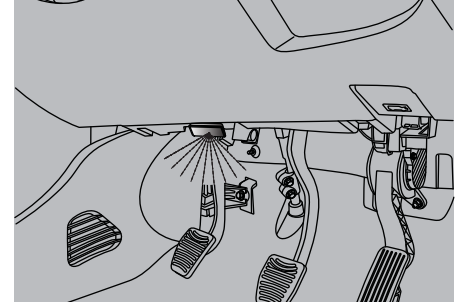
### 2. Door handle lamp



### 3. Foot-well lamps

Foot-well lamps are located in the following places:

- Below the instrument panel



- Below the front seats



The foot-well lamps illuminate when the door is opened in order to help the passenger to find foot space inside the vehicle in poor light condition especially during night, provided the ambience lamp switch is in ON position.

## Door Ajar Lamp



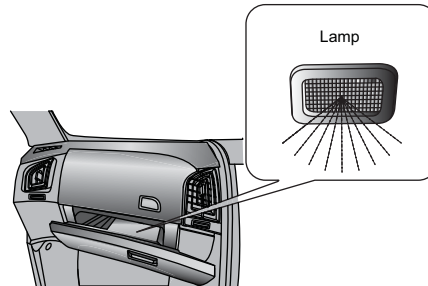
The door ajar lamp is an alert indication when the door is open.

## Door Puddle Lamp



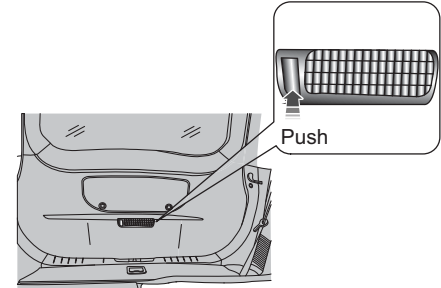
Puddle lamp will turn ON with door open and it goes OFF with door closed. This lamp assists ease of entry and exit from the vehicle.

## Glove Box Lamp



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

## Camping Lamp (If equipped)



Push the switch to turn the camping lamp ON and OFF as required.

## Battery Saver

If any interior lamp is inadvertently remains ON and the vehicle is locked, battery saver function turns OFF all interior lamps in 10 seconds. Also it will turn OFF all interior lamps after 3 mins if the vehicle is not closed properly.

## Interior Features

### Storage Compartment

These compartments can be used to store small items required by the driver or passengers.

#### CAUTION

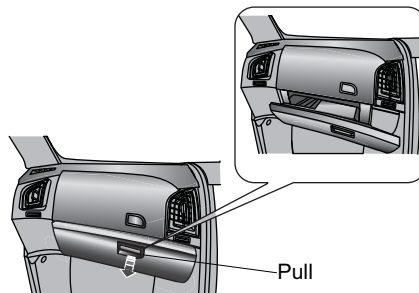
*Always keep the storage compartment covers closed while driving. Do not attempt to overload storage compartment, preventing the storage compartment cover from closing securely.*

### Glove Box

There are two glove boxes located in the instrument panel on the passenger's side.

#### 1. Lower Glove Box

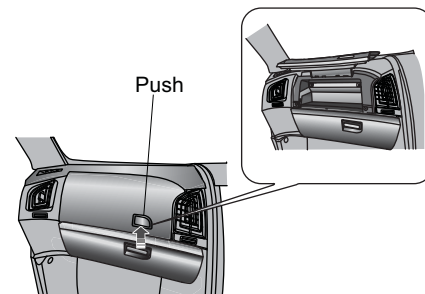
To Open the lower glove box, pull up the lower glove box lid. Close the glove box with a firm push.



Once glove box is open, the lamp inside will illuminate to help locate objects. You can place a first aid kit here for easy access.

#### 2. Upper Glove Box

To Open the upper glove box, pull up the upper glove box lid. Close the glove box with a firm push.



#### WARNING

*To reduce the risk of injury in an accident or sudden stop, always keep the glove box door closed while driving.*

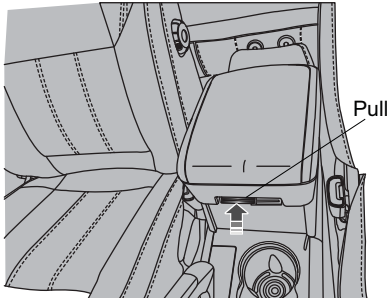
## Center Console Storage

There are two spaces available in the center console. It can be moved forward and backward.

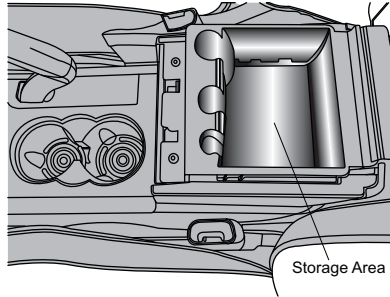
1. Upper console tray
2. Center console storage or cooler. (If equipped)

### 1. Upper Console Tray

- To open, press and pull the upper release latch

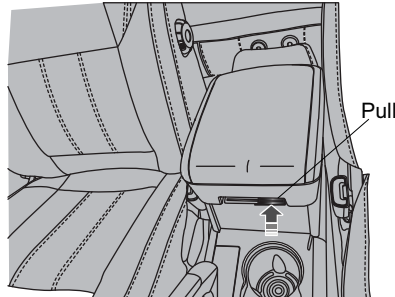


- Small items can be placed in the tray of the center console lid

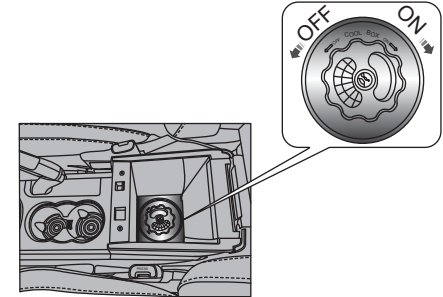


### 2. Center Console Storage or Cooler (If equipped)

- To open, press and pull the center console release latch



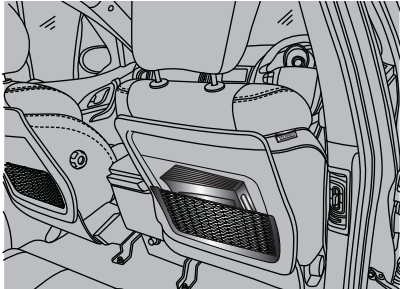
- Air vents inside the console can be opened in order to use as cooler



## NOTICE

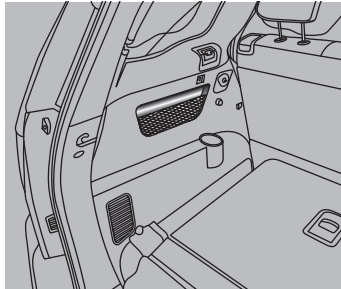
*Close the console air vent, if cooler is not required.*

## Magazine Pocket



Magazine pocket is located on the back of the front seats for holding magazine, maps etc.

## Third Row Seat Pocket



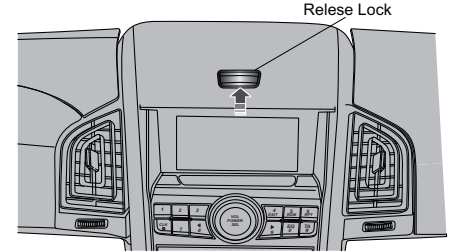
The third row seat pockets are located on both sides of the third row seats.

## Front Storage Locations

The multi-box can be used for storing small items.

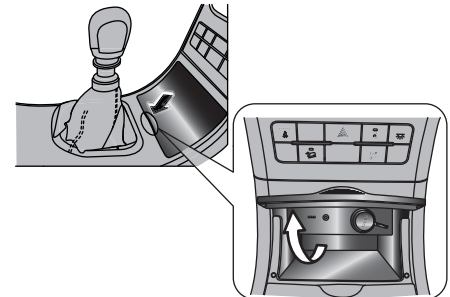
### Front

To open the cover, press the release lock button.



### Center

To open the center box, gentle push is required.

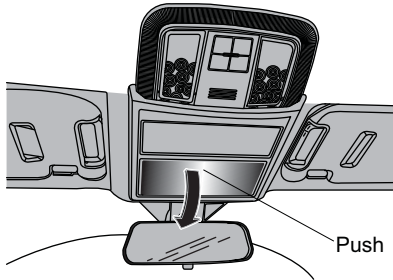




## Overhead Console

### Sunglass Holder

To open the sunglass holder, push the cover and the holder will slowly open. Place your sunglasses in the compartment door with the lens facing out. Push to close. Push the cover again to close the sunglass holder.

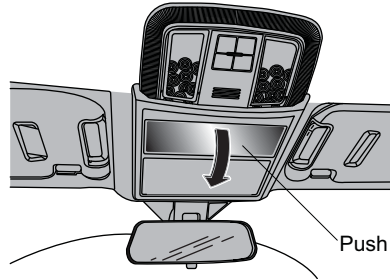


### WARNING

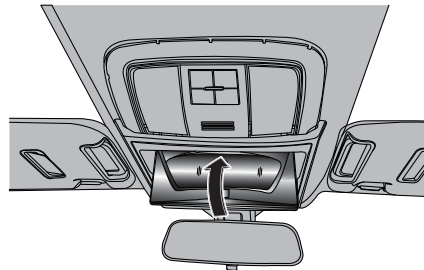
**Do not open the sunglass holder while the vehicle is moving. The rear view mirror of the vehicle can be blocked by an open sunglass holder. Failure to comply can lead to risk of injury.**

## Conversation Mirror

- To open the conversation mirror, push the mirror cover

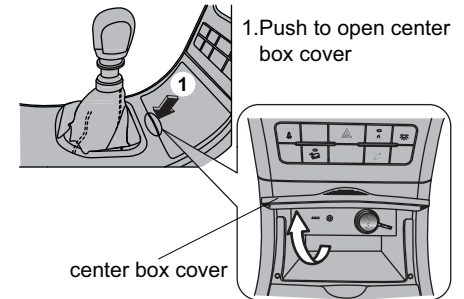


- It facilitates the talk in between front and rear occupants
- Push the mirror cover again to close the conversation mirror



## Cigarette Lighter and Accessories Socket

### Front Cigarette Lighter



For the cigarette lighter to work, the ignition switch must be in the ACC position or ON position. To use the cigarette lighter, push it all the way into its socket. When the element is heated, the lighter will pop out to the "ready" position. Do not hold the cigarette lighter pressed in. This can damage the heating element and create a fire hazard. If it is necessary to replace the cigarette lighter, use only a genuine Mahindra replacement.

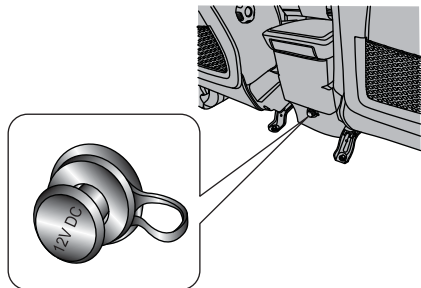
## Accessories Socket

Only use genuine Mahindra accessories.

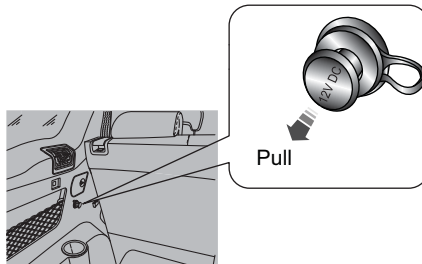
### CAUTION

*Always run the engine during prolonged use of electrical accessories, otherwise the battery may become discharged.*

## Center



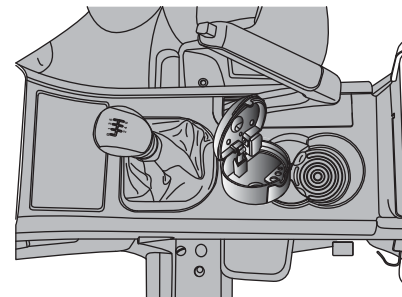
## Rear



### CAUTION

- **Do not touch the metal part of the lighter. You may burn yourself.**
- **Do not hold the lighter in because it will overheat**
- **Do not use the lighter socket for plug-in accessories such as shavers and coffee pots. They may damage it or cause electrical failure. Use only a genuine Mahindra lighter or the equivalent**
- **If the lighter doesn't pop out within 30 seconds, remove it to prevent overheating**

## Ashtray (If equipped)



## Front ashtray

Ashtray is located on the floor console.

- To use, open the lid of ashtray
- To empty, take out the ashtray just by pulling by hand
- To fit it back just press the ashtray gently on its location

Keep the ashtray clean by emptying it regularly.

## Smoking in the vehicle

Avoid smoking inside the vehicle. Smoking in the vehicle spoils the ambience and the interiors of the vehicle.

- Do not toss a cigarette out of the window. It may land on somebody or may result in a fire hazard. Ashtrays have been provided for disposing ash and cigarette butts.
- Take care not to drop the cigarette on the seats. It may burn holes in the upholstery.

### **WARNING**

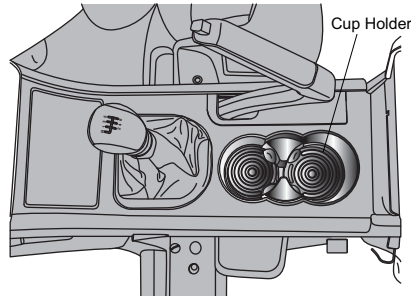
***Do not use the ashtray for disposing of waste paper or other combustible items, it may catch fire.***

## Smoking warning

- Smoking causes lung cancer, heart disease, emphysema, and may complicate pregnancy.
- Smoking by pregnant women may result in fetal injury, premature birth, and low birth weight.

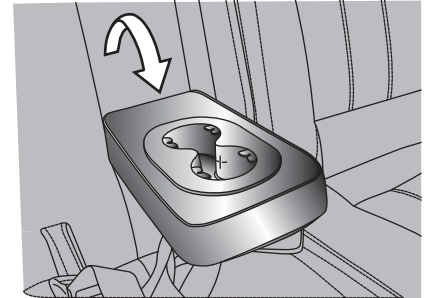
## Cup / Bottle holder

### Front



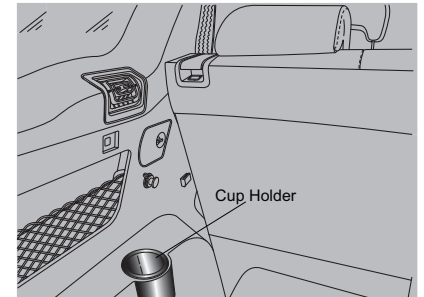
The front cup holder is in the center console. Cups or small beverage cans can be placed in the cup holders.

## Second Row Seat



The cup holders are in the center of the second row seat.

## Third Row Seat

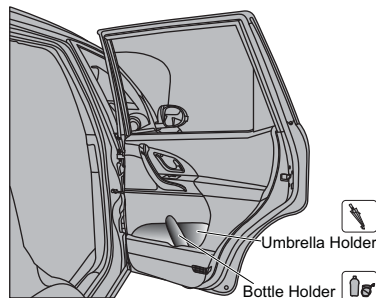


The cup holders are in the side trim on both the left and right sides.

## WARNING

- *Using a cup holder to hold hot liquid while the vehicle is moving is dangerous. If the contents spill, you could be scalded.*
- *Putting objects other than cups or drink-cans in a cup holder is dangerous. During sudden braking or maneuvering, occupants could be hit and injured, or objects could be thrown around the vehicle, causing interference with the driver and the possibility of an accident. Only use a cup holder for cups or drink-cans.*
- *To reduce the risk of personal injury in the event of sudden stop or collision, do not place uncovered or unsecured bottles, glasses, cans, etc., in the cup holder while the vehicle is in motion.*

## Bottle Holder

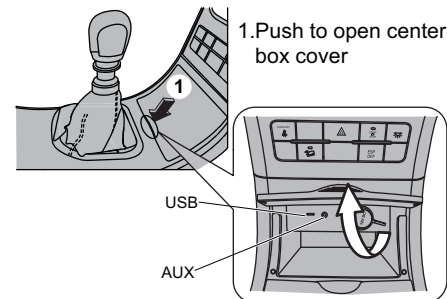


Bottle and umbrella holders are on the inside of the doors.

## CAUTION

*Do not use the bottle holders for containers without caps. The contents may spill when the door is opened or closed.*

## AUX / USB mode



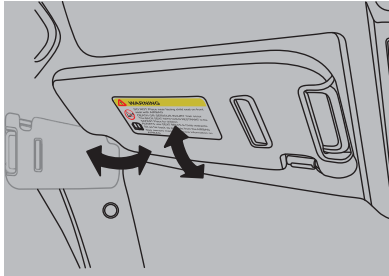
You can connect portable audio units to the AUX / USB ports to listen to music or audio over the vehicle's speakers.

## WARNING

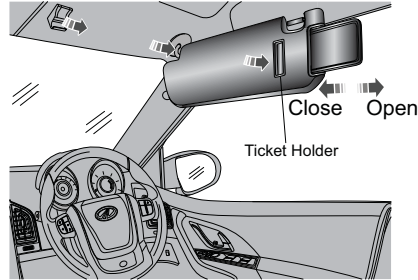
*Adjusting the portable audio unit while driving the vehicle is dangerous as it could distract attention from the vehicle operation which could lead to a serious accident. Always adjust the portable audio unit while the vehicle is at a stop. Failure to comply can lead to major or minor injury.*

## Sun visor

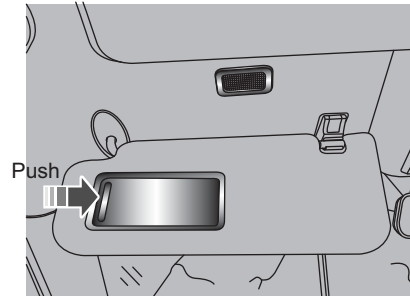
Use the sun visor to shield direct light through the front or side windows. To use the sun visor, pull it downward. To use the sun visor for the side window, pull it downward, unsnap it from the bracket and swing it to the side.



Adjust the sun visor extension forward or backward. The ticket holder is provided for holding toll-gate ticket and visiting cards.



To use the vanity mirror, pull down the sunvisor and slide the mirror cover. After opening the cover, the vanity mirror lamp will glow.

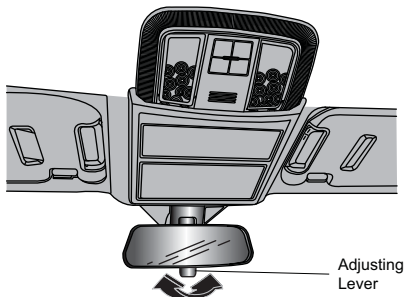


## CAUTION

***Close the vanity mirror cover securely and return the sun visor to its original position after use. If the vanity mirror is not closed securely; the lamp will remain ON.***

## Mirrors

### Rear View Mirror



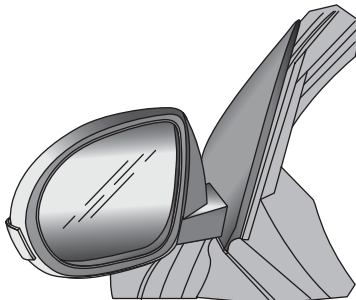
Adjust the rear view mirror so that the center view through the rear window is seen. Make this adjustment before you start driving.

Pull the day / night lever towards you to reduce glare from the headlamps of vehicles behind you during night driving. You may lose some rear view clarity in this position.

### WARNING

***Cargo stacked higher than the seats at the back is dangerous. It can block your view in the rear view mirror. Don't stack things higher than the back seat. Failure to comply can lead to major or minor injury.***

### Power Side View Mirrors

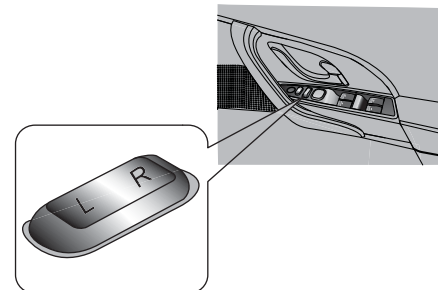


Be sure to adjust mirror angles before driving. Your vehicle is equipped with both left hand and right hand rear view mirrors on the exterior of the vehicle. The mirror heads can be folded back to prevent damage during an automatic vehicle wash or when passing through a narrow street.

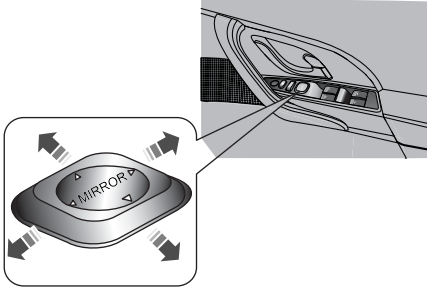
The controls for the outside power mirrors are located on the driver's door armrest.

To adjust the position of either mirror:

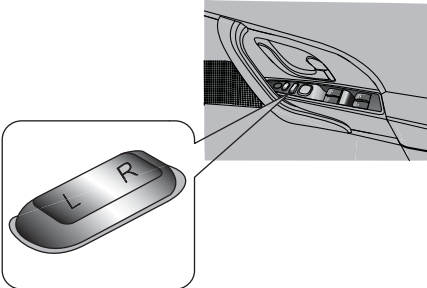
1. The ignition switch must be in the ON position.
2. Move the selector switch to the right or left to activate the adjustable mechanism for the corresponding door mirror



3. Adjust the mirror angle by depressing the appropriate perimeter switch as illustrated



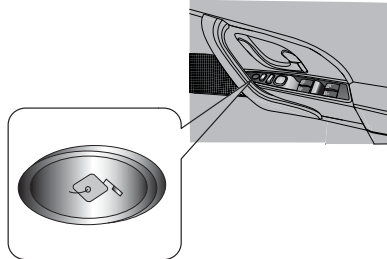
4. After adjusting the mirror, lock the control by moving the selector switch to the middle position



## WARNING

- *Do not adjust or fold the rear view mirrors while the vehicle is moving. This could result in loss of control, and an accident which could cause death, serious injury or property damage.*
- *The side view mirrors are convex. Objects seen in the mirrors are closer than they appear.*

## Mirror Folding - Electrical (If equipped)



This switch controls mirrors on both the sides. To fold / unfold press the folding mirrors switch.

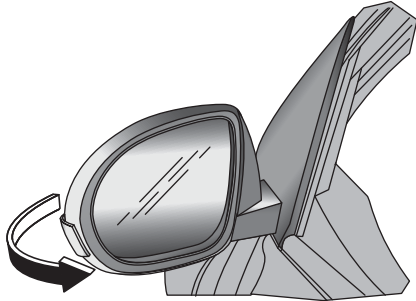
## CAUTION

*Folding / Unfolding operation is limited to 2 times / minute. Avoid unnecessary usage of folding / unfolding switch.*

## NOTICE

- *The side view mirrors fold automatically when locked through remote key*
- *The side view mirrors unfold automatically when unlocked through remote key and ignition ON*

## Mirror Folding - Manual (if equipped)



Fold the outside mirror rearward until it is flush with the vehicle.

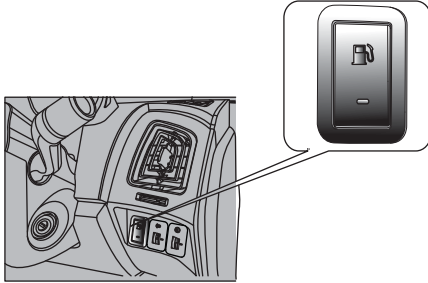
### **WARNING**

*Driving with the outside mirrors in folded condition is dangerous. Your rear view will be restricted, and you could have an accident. Always return the outside mirrors to the driving position before you start driving.*



## Fuel Filler Lid

### Fuel Filler Lid Opening - Electric



To open fuel filler lid, press fuel filler lid release switch located on right hand side below AC vents.

### NOTICE

- *Fuel filler lid cannot be released when the vehicle speed is more than 20 kmph*
- *Fuel filler lid operation is limited to 8 times / minute. Avoid unnecessary usage of fuel filler lid switch*

### ⚠ WARNING

*Turn your engine OFF when you are refuelling. Avoid any inflammable items nearer to fuel. Failure to comply may cause major injury and vehicle damage.*

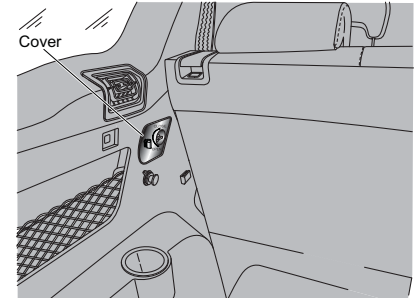
### NOTICE

*If there is a malfunction in the electrical system the fuel filler lid can be opened by using the emergency release lever.*

### Fuel Filler Lid Opening - Manual

In case of electrical malfunction, you can open the fuel filler lid manually as directed below:

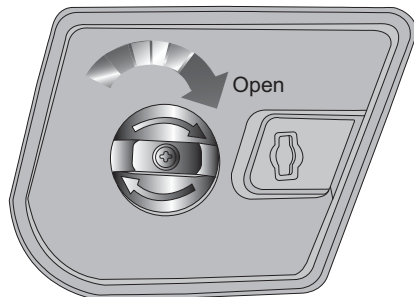
1. Fuel filler lid cover is located near left hand third row seat AC vent



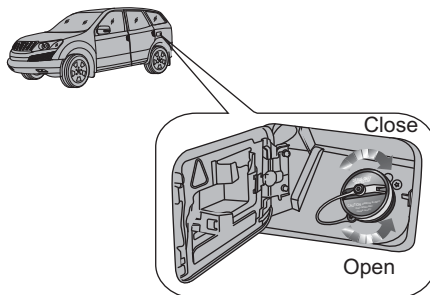
2. Turn the knob and remove fuel filler lid cover



3. Rotate the fuel filler lid clockwise to open it



## Fuel Filler Cap



1. To open turn it anti-clockwise
2. To close turn it clockwise until click sound is heard.

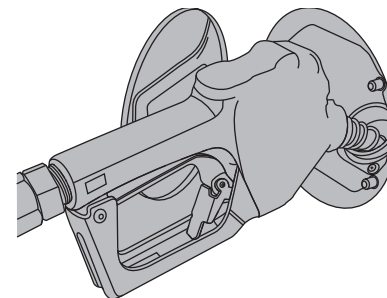
### **WARNING**

***Fuel can burn skin and eyes and cause illness when ingested. Fuel spray is released when there is pressure in the fuel tank and the fuel cap is removed too quickly. When removing the fuel cap, loosen the cap slightly and wait for any hissing to stop and then remove it. Failure to comply may cause major injury.***

### **CAUTION**

***Always use only a designated Mahindra fuel filler cap available at Mahindra Authorised Dealer. The wrong cap can result in a serious malfunction of the fuel control system.***

## Fuel Filling



Always take sensible precautions when refueling:

1. Turn OFF the engine
2. Switch OFF mobile phones
3. Do not smoke or use a naked flame or light

4. Take care not to spill fuel
5. Do not overfill the tank

## Recommended Fuel

### Diesel

Use high speed diesel conforming to IS 1460; 2010 specification or equivalent. Damage caused due to the use of substandard fuel / other than specified, will not be covered under Mahindra warranties. The operation, power output and durability of the engine are affected to a great extent by the quality of the fuel.

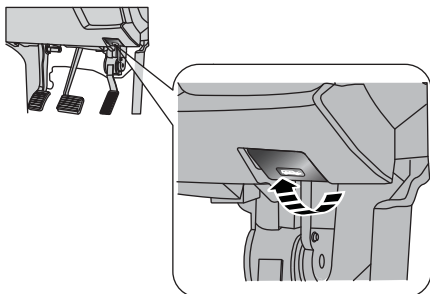
### CAUTION

- ***Never add fuel system additives or cleaning agents. Use of petrol / kerosene in diesel engines will result in engine damage and adversely affect the emission.***
- ***When replacing the fuel filler cap ensure that it is tightened until 'click' sound is heard.***
- ***Mahindra recommends normal diesel to be used.***

## Bonnet

### Opening the Bonnet

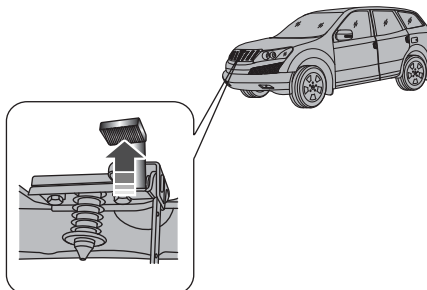
1. Pull the bonnet release lever located below right hand side of instrument panel.



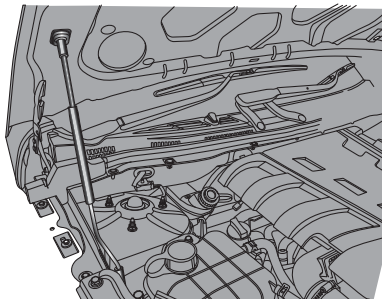
### CAUTION

*Ensure that the arms of the windscreen wipers are in parked position before opening the bonnet otherwise damage could occur to the paintwork.*

2. Bonnet will slightly pop up. Press the bonnet locking lever and lift the bonnet



3. Hold the bonnet using stay rod



### Closing the Bonnet

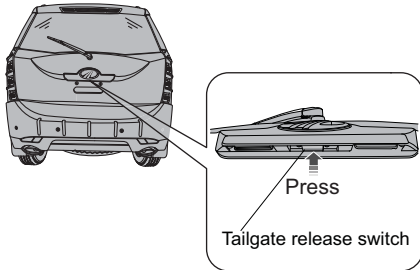
1. Lift the bonnet slightly and unhook stay rod
2. Close the bonnet and make sure it locks into place

### WARNING

- *Never open the bonnet if you see steam or coolant is flowing out of the engine compartment. Wait until the steam or coolant has stopped escaping.*
- *For safety reasons, the bonnet must always be properly closed when driving. One should therefore check that the lock has in fact engaged properly after closing the bonnet.*
- *Stop your vehicle immediately while driving if you notice that the bonnet lock is not properly engaged. Close the bonnet properly.*

## Tailgate

### Opening the Tailgate with Switch



Press the tailgate release switch in the tailgate handle and swing the tailgate upwards.

### **WARNING**

**While opening the tailgate it swings upwards, hence make sure that no objects or people are near to the rear side of the vehicle. Failure to comply can lead to minor injury.**

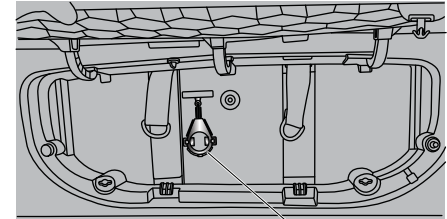
## NOTICE

- *Tailgate will automatically lock, if the tailgate door is not opened within 45 seconds.*
- *When the vehicle is centrally locked (either by remote key or using driver door lock knob), the tail gate cannot be opened by means of the tailgate release switch.*

### Opening the Tailgate with Cable

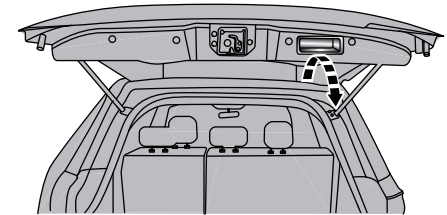
In case of electrical failure of tailgate release switch and remote key, tailgate can also be opened by using the cable from inside the vehicle.

- Unclip the warning triangle cover clips and remove the warning triangle from the location. Refer “Warning triangle” section
- Remove the cable hook from its place and pull out so as to unlock the tailgate



Cable hook

### Closing the Tailgate



Pull the tailgate down and close it with a slight swing

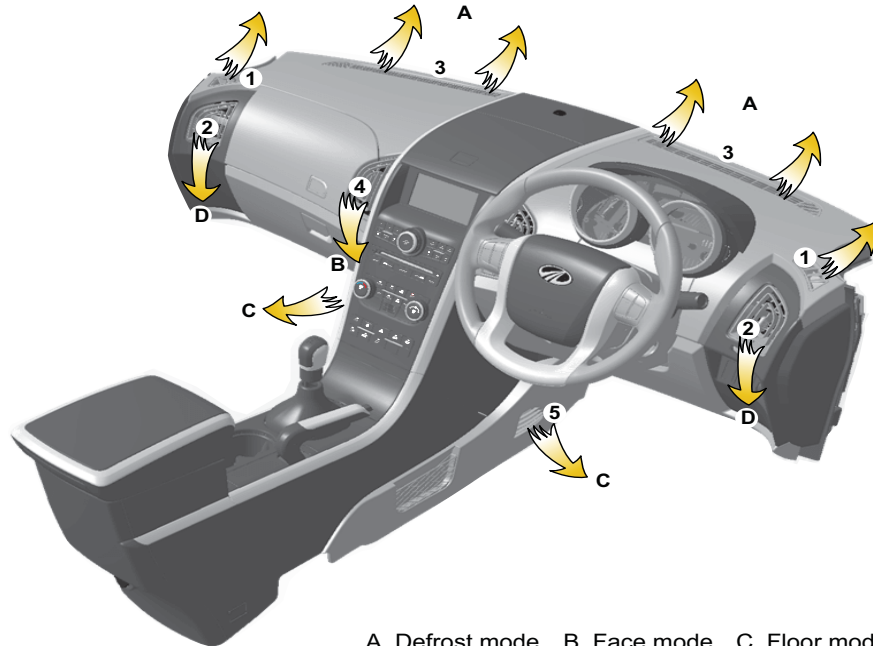


### WARNING

- *Ensure that the lock is properly engaged after closing the tailgate. Otherwise, it might open suddenly when driving even if tailgate lock is closed - risk of accident!*
- *Never drive with the tailgate fully opened or slightly ajar else exhaust gases may get into the interior of the vehicle.*

## Heating and Ventilation

The air conditioning system features automatic temperature and air distribution control and is programmed to maintain optimum levels of comfort within the vehicle in all climatic conditions.



1. Side window defroster vents

2. Side vents

A. Defrost mode

B. Face mode

C. Floor mode

D. Face mode

3. Windshield defroster vents

4. Center vents

5. Floor vents

## NOTICE

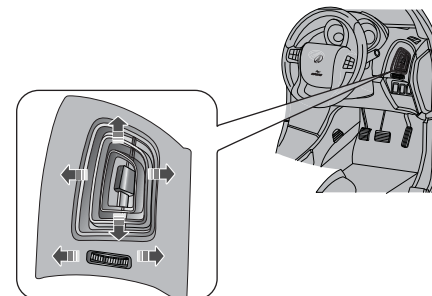
- For optimum operating efficiency, ensure all the air vents (including those in the rear of the vehicle) are open
- For the automatic temperature control system to function efficiently, all windows should be closed and the air intake vents free from ice, snow, leaves or other debris
- In very humid conditions, slight screen misting may be experienced when the air conditioning system is ON. This is a natural occurrence. It is not a fault and misting will clear after a few seconds once the air conditioning system starts operating
- Surplus water produced by the dehumidifying process is expelled from the system via drain tubes beneath the vehicle. This may result in a small pool of water forming on the road when the vehicle is stationary and is not a cause for concern.

## NOTICE



- The air conditioning will not function unless the engine is running
- Use ECO friendly R134a refrigerant
- Quantity of refrigerant for single (front) AC = 0.6 Kg
- Quantity of refrigerant for dual (front and rear) AC = 0.8 Kg
- Use recommended air conditioning compressor oil : FD46XG

## Vent Operation

### Front Center and Side Vents

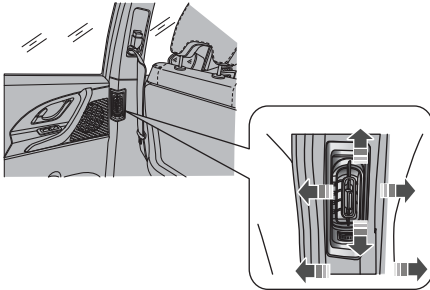


1. To change the direction of the air flow, adjust the vent in the desired direction
2. To control the amount of air, roll the control knob located below the vents

To control the amount of air, turn the control knob on the left side of the vents. The vents are opened when the vent knob is moved to  position. The vents are closed when the vent knob is moved to . Keep these vents clear of any obstructions.

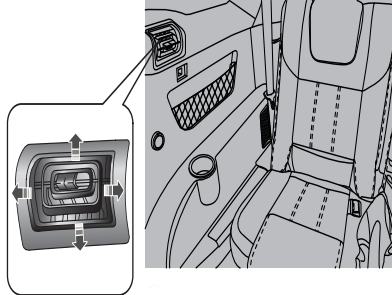


## Second Row Seat Vents



1. To change the direction of the air flow, adjust the vent in the desired direction
2. To control the amount of air, roll the control knob located below the vents

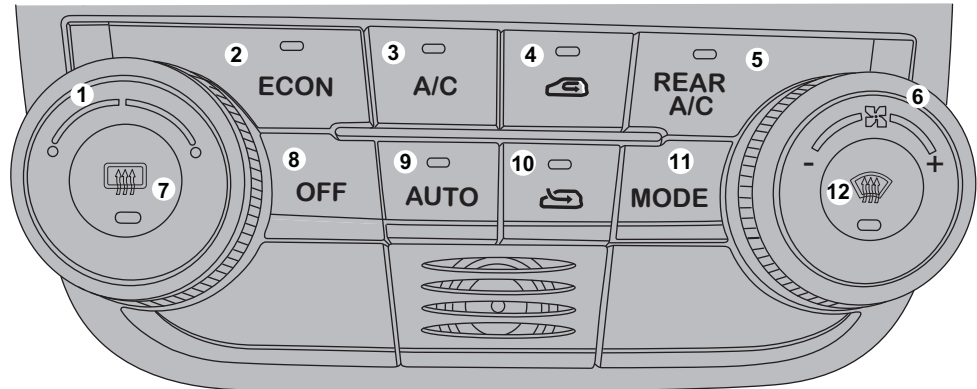
## Third Row Seat Vents



To change the direction of the air flow, adjust the vent in the desired direction

## Automatic Climate Control System (If equipped)

1. Temperature control dial
2. Economy (ECON) switch
3. Air conditioning switch
4. Air recirculation mode switch
5. Rear air conditioning switch
6. Blower fan speed control dial
7. Rear windshield defroster switch
8. Blower fan OFF switch
9. AUTO mode switch
10. Fresh air mode switch
11. Air distribution mode switch
12. Front windshield defroster switch

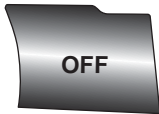


## Blower Fan Speed Control Dial



You can select blower fan speed from low to high position. To increase the blower fan speed, turn the dial in clockwise direction. To decrease the blower fan speed, turn the dial in anti-clockwise direction.

## Blower Fan OFF Switch



Press this switch to turn OFF the blower fan which will subsequently stop the operation of the heating and cooling system.

## Air Conditioning Switch

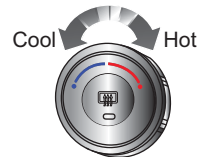


Press this switch to turn ON or OFF the AC. The switch will illuminate when the blower fan is turned ON. Push the switch once again to turn OFF the AC.

### NOTICE

*The air conditioning compressor will not function unless the engine is running.*

## Temperature Control Dial



This control is used to set the degree of cooling or heating desired.

**Cool:** Turning the dial in anti-clockwise (Blue) direction.

**Hot:** Turning the dial in clockwise (Red) direction.

Turn the dial to set the desired temperature. The temperature will increase to the maximum 32°C (90°F) by turning the dial clockwise. The temperature will decrease to the minimum 17°C (62°F) by turning the dial anti-clockwise.

## Economy (ECON) Switch



Press ECON switch to turn economy mode on. During ECON AC operation the system automatically cuts OFF at a higher temperature than normal AC. The operation can be used during mild weather conditions for better fuel efficiency. Comfort level may be compromised during this operation. Re-press the ECON switch again to turn economy mode OFF.

### Fresh Air Mode Switch



With the fresh air mode selected, air enters the vehicle from outside and is heated or cooled according to the other functions selected.

### Air Recirculation Mode Switch



This is used to select recirculation of inside air. With the recirculation mode selected, air from within the passenger compartment is drawn through the heating system and heated or cooled according to the other functions selected.

## NOTICE

- ***Prolonged operation of the air conditioning and heating system in recirculation mode will result in fogging on the windshield and side windows glass. With this the air within the passenger compartment will become stale and excessively dry.***
- ***Select fresh air/recirculation mode depending on local environment conditions.***

### AUTO Mode Switch



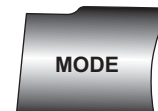
The air conditioning system is controlled automatically in the AUTO mode. Press the AUTO switch to turn ON the AUTO mode. The modes, blower fan speeds, air intake (fresh/recirculation) and air conditioning will be controlled automatically based on temperature setting.

### Manual Operation

All the functions of air conditioning and heating system can be manually controlled by pressing individual push switches except AUTO switch.

By selecting fresh air / recirculation and then choosing AUTO mode will set all the functions automatically.

### Air Distribution Mode Switch



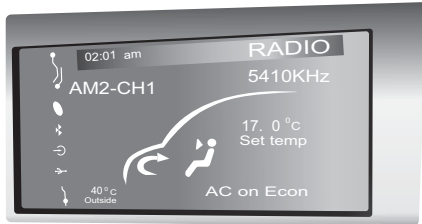
To adjust air distribution, press the MODE switch. Each pressing of mode switch will change the flow pattern accordingly.

Air distribution mode switch allows you to select the below air flow pattern.

# FEATURES AND CONTROLS

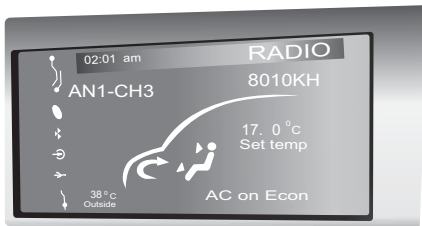
## 1. Face mode (D, B\*)

Air will be discharged through face and the second row seat vents. Corresponding information will appear on the infotainment display.



## 2. Face and Floor mode (C, D, B\*).

Air will be discharged through face, floor and the second row seat vents. Corresponding information will appear on the infotainment display.



## 3. Floor mode (C\*)

Air will be discharged through floor vents. Corresponding information will appear on the infotainment display.



## 4. Floor Defrost mode (C, A\*).

Air will be discharged through the windshield defroster vents, floor vents and side defroster vents. Corresponding information will appear on the infotainment display.



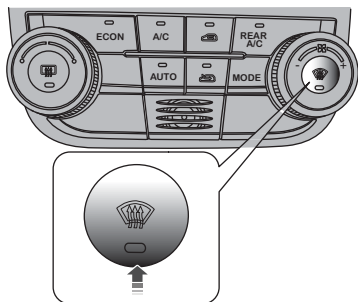
## 5. Defrost mode (A\*)

Air will be discharged through the windshield defroster vents, side defroster vents and side vents. Corresponding information will appear on the infotainment display. During this, the fresh mode will be activated automatically to improve windshield defrosting.



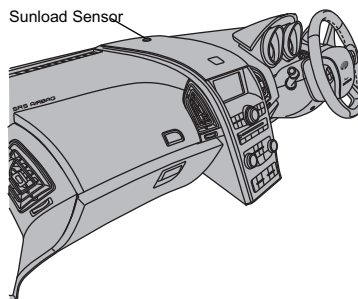
\* For additional information refer to **Heating and Ventilation section page 2-84.**

## Front Windshield Defroster Switch



Front windscreen defroster is used to remove mist and ice from the front windshield and side windows quickly. Press the switch to turn ON front defroster. The switch will illuminate once front defroster is turned ON. AC is turned ON and air is discharged through the windshield defroster vents, side defroster vents and side vents. If the defrost mode is selected, the fresh mode will be activated to improve windshield defrosting.

## Sunload Sensor



Never place anything over the sunload sensor which is located on the instrument panel to ensure better control of the heating and cooling system.

## Rear Windshield Defroster Switch

Refer "Rear windshield defroster switch" function.

## Rear Air Conditioning Switch

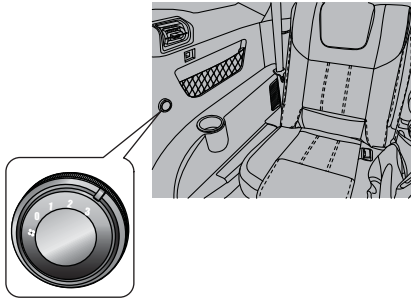


Press rear air conditioning switch to turn ON the rear air conditioning. Switch will illuminate when rear blower fan is switched ON.

### NOTICE

***The front air conditioning controls override the rear air conditioning controls i.e. when the front air conditioning switch is turned OFF, the rear air conditioning will not turn ON.***

## Rear Blower Fan Speed Control Dial

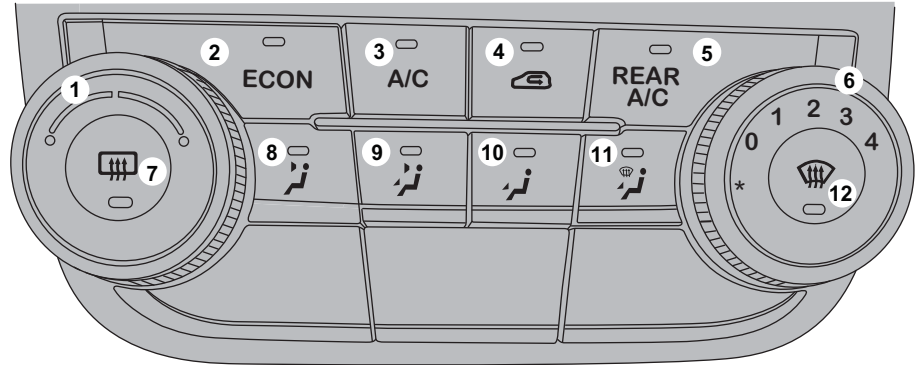


Rear blower fan speed control dial is located near RH third row seat.

This is used to select the blower fan speed. The blower fan speed, and the volume of air delivered from the system, may be controlled manually by setting the blower fan speed control between the 1 and 3 position. 1 is the lowest blower fan speed and 3 is the highest blower fan speed. Setting the fan speed control dial to the 0 position turns OFF the blower fan.

## Manual Climate Control System (if equipped)

1. Temperature control dial
2. Economy (ECON) switch
3. Air conditioning switch
4. Air recirculation mode switch
5. Rear air conditioning switch
6. Blower fan speed control dial
7. Rear windshield defroster switch
8. Face mode selector switch
9. Face and floor mode selector switch
10. Floor mode selector switch
11. Floor defroster mode selector switch
12. Front windshield defroster switch





## Blower Fan Speed Control Dial



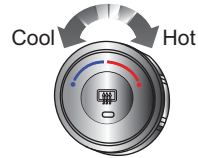
This is used to select the blower fan speed. The blower fan speed, and the volume of air delivered from the system, may be controlled manually by setting the blower fan speed control between the 1 and 4 position. 1 is the lowest blower fan speed and 4 is the highest blower fan speed. Setting the blower fan speed control knob to the 0 position turns OFF the blower fan.

## Air Conditioning Switch



Press this switch to turn ON or OFF the AC. The switch will illuminate when the blower fan is turned ON. Push the switch once again to turn OFF the AC.

## Temperature Control Dial



This control is used to adjust the degree of cooling or heating desired.

**Cool** - Turning the dial in anti-clockwise (Blue) direction

**Hot** - Turning the dial in clockwise (Red) direction

## Economy (ECON) Switch



Press ECON switch to turn economy mode on. During ECON AC operation the system automatically cuts OFF at a higher temperature than normal AC. The operation can be used during mild

weather conditions for better fuel efficiency. Comfort level may be compromised during this operation. Repress the ECON switch again to turn economy mode OFF.

## Air Recirculation Mode Switch



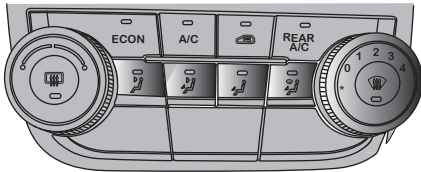
Press this switch to turn ON the recirculation mode. When air recirculation mode is ON, the switch light will illuminate. Press the switch again to turn OFF the recirculation mode and to turn ON fresh air mode. With the fresh air mode selected, air enters the vehicle from outside and is heated or cooled according to the other functions selected.

When the recirculation mode is turned OFF, switch light illumination goes OFF.

## NOTICE

- **Prolonged operation of the air conditioning and heating system in recirculation mode will give rise to fogging on the windshield and side windows glass. With this the air within the passenger compartment will become stale and excessively dry.**
- **Select fresh air / recirculation mode depending on local environment conditions.**

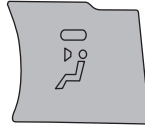
### Air distribution mode



To adjust air distribution, press the switch and select the below air flow pattern as per requirement.

### Face mode (D, B\*)

Air will be discharged through face and the second row seat vents.



### Face and Floor mode (C, D, B\*)

Air will be discharged through face, floor and the second row seat vents.



### Floor mode (C\*)

Air will be discharged through floor vents.



### Floor Defrost mode (C, A\*)

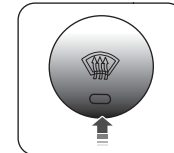
Air will be discharged through the windshield defroster vents, side defroster vents and side vents.



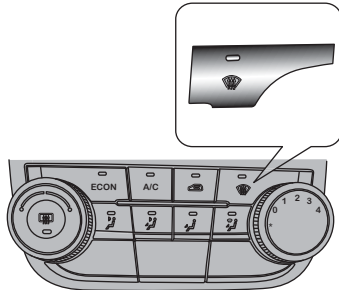
\* For additional information refer to **Heating and Ventillation section page 2-84.**

### Front Windshield Defroster Switch

#### 1. With Rear AC (If equipped)



## 2. Without Rear AC (If equipped)



Front windscreen defroster is used to remove mist and ice from the front windshield and side windows quickly. Press the switch to turn ON front defroster. The switch will illuminate once front defroster is turned ON. AC is turned ON and air is discharged through the windshield defroster vents, side defroster vents and side vents.

### Rear Windshield Defroster Switch

Refer “**Rear windshield defroster switch**” function.

## Rear Air Conditioning Switch

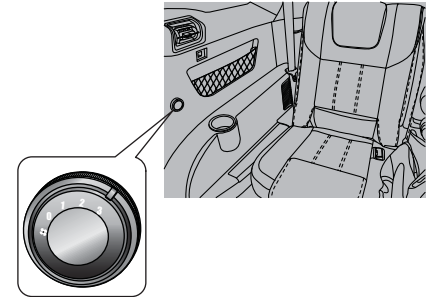


Press rear air conditioning switch to turn ON the rear air conditioning. Switch will illuminate when rear blower fan is turned ON.

### NOTICE

***The front air conditioning controls override the rear air conditioning controls i.e. when the front air conditioning switch is turned OFF, the rear air condition will not turn ON.***

## Rear Blower Fan Speed Control Dial

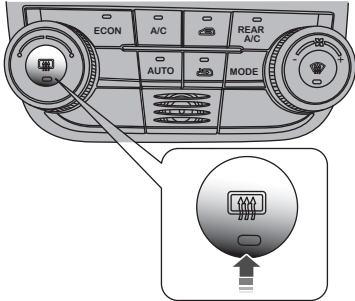


Rear blower fan speed control dial is located near RH third row seat.

This is used to select the blower fan speed. The blower fan speed, and the volume of air delivered from the system, may be controlled manually by setting the blower fan control between the 1 and 3 position. 1 is the lowest blower fan speed and 3 is the highest blower fan speed. Setting the fan speed control dial to the 0 position turns OFF the blower fan.

## Defrosting / Defogging

### Rear Windshield Defroster Switch (If equipped)



To remove frost, fog and thin ice from the interior and exterior of the rear windshield, press rear windshield defroster switch.

The switch will illuminate once rear defroster is turned ON. The rear windshield defroster automatically turns OFF depending upon ambient temperature.

### CAUTION

*Don't use sharp instruments or window cleaners with abrasives to clean the inside of the rear window surface. They may damage the defroster grid inside the window. Failure to comply will result in major or minor damage to the equipment.*

DRIVING AND OPERATIONS

3

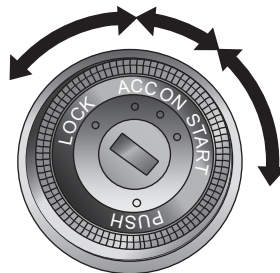
## Starting and Driving

### Before Starting

Follow the below mentioned checks and adjustments before starting the vehicle.

1. Check the steering wheel and seat adjustment
2. Make sure all windows, mirrors and outside lights are clean. Remove dust, frost, snow or ice
3. Visually inspect inflation pressures and condition of tyres
4. Make sure the bonnet is fully closed.
5. Check the gauges and indicators in the instrument panel
6. Look under the vehicle for any sign of leakages
7. Make sure the doors and the tailgate are securely closed and locked
8. Fasten your seat belt. Check that your passengers have fastened their seat belts
9. If you plan to take a reverse, make sure that there is no obstacle or people in your way

### Ignition Key Positions



#### 1. LOCK

The steering wheel locks to protect against theft

#### 2. ACC (Accessories)

The steering wheel is unlocked and activates the electrical accessories

#### 3. Ignition ON

In this position all electrical circuits are enabled. Some of the warning or information lamps will come ON

#### 4. START

This position starts the engine. As soon as the engine is started, release the key. It automatically returns to the ON position.

### **WARNING**

*Once the steering lock is engaged, it is not possible to steer the vehicle. Do not remove the key while the vehicle is in motion.*

## Starting the Vehicle

1. Apply parking brake, insert the key and fasten the seat belt
2. Depress the clutch pedal fully and place the gearshift lever in neutral position
3. Turn ignition ON The glow plug indicator will illuminate. Ensure all warning lights and gauges are functioning properly before starting the engine
4. Turn the ignition key to the START position and release it when the engine starts
5. After the engine has started, allow the engine to run for few seconds prior to placing the vehicle in gear. The starter should not be operated for more than 15 seconds at a time. Wait for 15-30 seconds between starting attempts to protect the starter from overheating

### CAUTION

***If the engine fails to start, try to restart the engine after few minutes. Continuous cranking will cause damage to the starter motor. If the engine still fails to start, contact an Authorised Mahindra Dealer for assistance.***

### NOTICE

***Before driving it is important to fully understand the function of the instruments and warning indicators.***

## Limp Home Mode

Limp home mode is an emergency situation declared by the engine management system. In this mode, the engine management system will revert to basic minimum requirement (fuel quantity / injection timings) to aid the driver to bring the vehicle back to the nearest workshop or a safe place. Needless to say the driveability and fuel consumption will be greatly affected.

Driving the vehicle to an Authorised Mahindra Dealer in the Limp home Mode:

- Follow the engine starting instructions as mentioned in the previous page
- During normal conditions, the engine check lamp illuminates and dies down. This will take approximately 5 seconds
- If the lamp on the instrument panel blinks, it means your vehicle has shifted to the limp home mode
- In the limp home mode, the engine speed fluctuates between 1000 to 1200 rpm and you will not be able to use the accelerator control
- The limp home mode can be erased, only after rectifying the problem

### NOTICE

***If the engine does not start or stalls frequently, contact an Authorised Mahindra Dealer as soon as possible.***

## Fuel Economy

### Fuel consumption is influenced by two major factors:

- How your vehicle is maintained
- How you drive your vehicle

To obtain optimum fuel economy, it is essential that your vehicle is maintained in accordance with the manufacturer's service schedule. Items such as condition of the air cleaner element, tyre pressure and wheel alignment can have a significant effect on fuel consumption. But above all, the way in which you drive is most important. The following hints may help you to obtain even better value from your motoring:

- Avoid unnecessary short, start-stop journeys
- Avoid fast starts. Instead, accelerate gently and smoothly from rest
- Do not drive in the lower gears for longer than necessary
- Decelerate gently and avoid sudden and heavy braking
- Anticipate the obstructions and adjust your speed accordingly well in advance

## Good Driving Practices

1. Avoid frequent brake application. This can cause them to overheat and malfunction. Instead, when you are driving down a long hill, slow down and shift to a lower gear. When you do this, engine braking will help slow the vehicle
2. Slow down before shifting to a lower gear. This will help avoid over revving the engine, which can cause damage
3. Slow down when you encounter cross winds. This gives you much better control of your vehicle
4. Be sure the vehicle is at a complete stop before you attempt to shift into reverse. The transaxle can be damaged if you do not. To shift into reverse, depress the clutch, move the shift lever to neutral, wait three seconds, then shift to the reverse position

### **WARNING**

- ***Always buckle-up! In a collision, an unbelted occupant is significantly more likely to be seriously injured or killed than a properly belted occupant***
- ***Avoid high speeds when cornering or turning***
- ***Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns***
- ***The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds***
- ***In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes***



## Driving Tips for Different Terrains

### Driving in Wet Weather / Snowy Conditions

Wet weather or snow can be dangerous for driving. The following tips tell you how to avoid accidents in such conditions:

1. **Drive slowly:** Low driving speed increases the surface of tyre tread in contact with the road and provides better traction
2. **Maintain safe distances from other vehicles:** Wet weather results in longer stopping distances (about four times that of normal stopping distance). So, it makes sense to keep a good distance from other vehicles, people and objects on your path
3. **Maintain tyres:** Tyres may not provide adequate traction once the tread wears below two thirds of the tread depth. Check tyres regularly and replace them at an appropriate time. Maintain the recommended tyre pressure in the tyres at all times

4. While braking, accelerating or turning, avoid jerky and abrupt movements
5. Apply smooth and even pressure on all controls. Abrupt steering wheel movements or sudden, hard application of brakes can cause loss of control
6. Exercise extra caution while driving in rain after a long dry spell. After months of dry weather, the first rain brings grime to the surface of the roads, making it slippery
7. While driving on wet surfaces, downshift carefully. If the traction is low, it can lock up the drive wheels for a moment and cause a skid
8. If the battery is not fully charged during extremely cold weather conditions, the battery fluid may freeze and damage the battery. To maintain the maximum efficiency, the battery should be checked regularly
9. It is recommended that the following items to be carried in the vehicle during winter driving
  - A shovel to dig the vehicle out of snowdrifts.

- A sturdy, flat board to be placed under the jack to give firm support
- A scraper and stiff bristled brush to remove ice and snow from the windows

Refer the lubrication chart, for use of suitable lubricants, engine coolant, and brake/clutch fluids, for the cold winter (extreme cold atmospheric) conditions.

### CAUTION

***Be careful when accelerating, upshifting, downshifting or braking on a slippery surface. Sudden acceleration or engine braking could cause the vehicle wheels to spin or skid or lose control.***

## Driving in Low Visibility

Being able to see clearly in all directions and being visible to other drivers is important in all weather conditions. This is more difficult in bad weather conditions. To be seen more clearly by other road users during daylight, turn the headlights ON. Inspect the windshield wipers and washers regularly. Keep the windshield washer reservoir full. If the windshield wiper blades start to streak the windshield or leave parts unwiped, replace them. Use the defroster to avoid fogging of the windshield on the inside.

## Safe Driving Tips

- Always slow down in gusty cross winds. This will improve vehicle control.
- Drive slowly when passing over speed breakers / bumps or traveling on a bumpy road. Not doing so could cause severe damage to the tyres/wheels/suspension system and may result in personal injury also.
- When parking on a slope, turn the front wheels until they touch the side curb to avoid vehicle rolling. Apply the parking brake and keep the transmission in first/reverse gear. If possible, block the wheels.
- Do not drive across steep slopes. Instead drive either straight-up or straight-down the slopes.
- Driving through deep water or washing the vehicle may get the brakes wet. Wet brakes could make the stopping distance longer or even cause no braking or brake pulling. To dry the wet brakes, drive the vehicle cautiously, when there is no traffic near you, while lightly applying the

brake pedal with parking brake applied. If brakes are still not working safely, park the vehicle beside the road and contact the nearest Authorised Mahindra Dealer.

### CAUTION

***To drive down a long slope or steep hill, reduce your vehicle speed and downshift the gears. Excessive use of brakes may cause overheating and resulting in poor braking or brake not working.***

## Precautions for Off-Road Driving

Avoid sharp cornering or abrupt maneuver at excessive speeds as it may cause vehicle rollover / loss of control resulting in serious injury or even death. While driving off-road or on rough roads do not drive at excessive speeds. As with other such vehicles, failure to operate this vehicle correctly may result in loss of control or vehicle rollover.

## CAUTION

- *Avoid loading any items / objects on the roof of the vehicle, since it increases the height of the vehicle's center of gravity*
- *Drive carefully when off the road*
- *Do not grip the steering wheel spokes when driving offroad. A bad bump could jerk the wheel and injure your hands. Keep both hands especially your thumbs on the outside of the steering wheel rim*

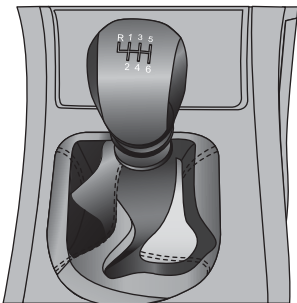
## CAUTION

- *After driving through tall grass, mud, rock, rivers, etc., check that there is no grass, bush, paper rags, stone, sand, etc., trapped on the underbody. Clear any such matter from the underbody. Otherwise, a breakdown or fire could occur*
- *If driving / crossing through shallow streams, first check the level of the water and bottom of the river bed for better gripping.*
- *Take all necessary safety measures to make sure there is no damage to the engine or other components occur due to water entry. Otherwise water entry can cause air intake system failure resulting in engine seizure, washing away the bearing greases causing rusting and premature failure. The transmission, transfer case or differential also may get damaged due to water entry*

## CAUTION

- *Accumulated sand/mud in the brake disc may greatly affect the braking efficiency and can damage the braking system components*
- *It is necessary to carry out the maintenance inspection after each day of off-road driving that involved driving through rough terrain, water, sand and/or mud*

## Manual Transmission

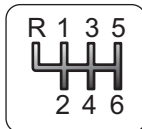


Your vehicle is fitted with manual transmission having six forward and one reverse gear. This shift pattern is imprinted on the gearshift lever knob. The transmission is fully synchronised in all forward gears so shifting to either a higher or a lower gear is easily accomplished. Press the clutch pedal down fully while shifting, and then release it slowly.

### NOTICE

*The current gear position is indicated in the instrument cluster to easily identify the position of the gear. It is applicable only when the ignition key is in ON position.*

### Shifting Gear

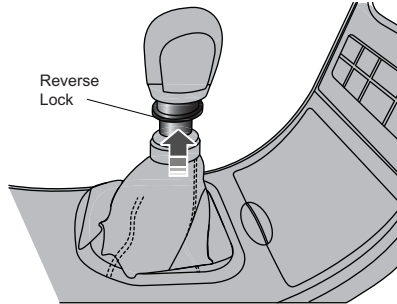


### CAUTION

- Do not rest your foot on the clutch pedal while driving. This may cause clutch damage
- Fully depress the clutch pedal before shifting to prevent transmission damage
- When the vehicle is brought to a stop with the engine running, shift to N (neutral position) and release the clutch pedal with the foot brake applied

To change gears, or when upshifting or downshifting, depress the clutch pedal fully, shift to the appropriate gear, then release the clutch slowly and smoothly. To ensure smooth gear change, fully depress the clutch pedal before operating the gear shift lever. If the clutch pedal is not fully depressed before the gear is shifted, gear rattling noise may be heard. Transmission damage could occur. Start the vehicle in 1st gear and shift to 2nd, 3rd, 4th, 5th and 6th gear in sequence according to the vehicle speed.

## Reverse Gear



The gearshift lever must be returned to the neutral position before shifting to reverse (R). The reverse lock ring located immediately below the gear shift knob must be pulled upward while moving the shift lever to the reverse (R) position.

### CAUTION

- **Shift to reverse (R) only after your vehicle is stopped. Shifting into reverse (R) while your vehicle is moving could damage your transmission**
- **When downshifting from fifth (5) gear to fourth (4) gear, caution should be taken not to inadvertently press the gearshift lever sideways in such a manner that the second (2) gear is engaged. Such a drastic downshift may cause the engine speed to increase to the point that the tachometer will enter the red zone. Such over revving of the engine may possibly cause engine damage. Fully depress the clutch pedal before shifting to prevent transmission damage**

### WARNING

**Shifting down while driving on wet, snowy, or frozen roads, or driving at high speeds causes sudden engine braking, which is dangerous. The sudden change in tyre speed could cause the tyres to skid. Failure to comply can lead to loss of vehicle control and an accident.**

## Recommended Shift Points

The shift points as shown below are recommended for optimum fuel economy and performance.

Shift From - To	Recommended Speed (Km/hr)
1 <sup>st</sup> to 2 <sup>nd</sup>	20-25
2 <sup>nd</sup> to 3 <sup>rd</sup>	35-40
3 <sup>rd</sup> to 4 <sup>th</sup>	45-50
4 <sup>th</sup> to 5 <sup>th</sup>	55-60
5 <sup>th</sup> to 6 <sup>th</sup>	65-70

## AWD (All Wheel Drive) Operation (If equipped)

AWD vehicle is equipped with Interactive Torque Management (ITM) System which intelligently transfers torque to all four wheels. ITM system includes electromagnetically operated clutch which is controlled by an ECU. According to the driving conditions this system automatically delivers torque to the rear wheels.

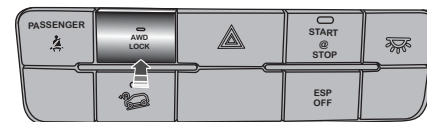
### Using ITM System

ITM system is available in two operating positions viz., **AUTO** mode and **AWD LOCK** mode.

Vehicle is by default in **AUTO** mode. Once the ignition key is turned ON, ITM system turns into **AUTO** mode. In **AUTO** mode, whenever any slippage is detected in the **FRONT** wheels (slippery surfaces like icy roads, wet surfaces, etc.) the torque is transferred to the **REAR** wheels by the ITM system.

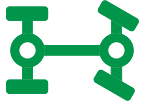
## AWD Lock

To activate this mode, press **AWD LOCK** switch located on the central bezel switch bank. The LED on the switch turns ON. In this mode fixed amount of torque is transferred to the **REAR** wheels irrespective of the driving condition. Vehicle can be operated in this mode on road as well as off road.



To turn OFF the **AWD LOCK** mode press the same switch again. The LED on the switch turns OFF.

## AWD Indicator



AWD malfunction indicator turns ON when there is a malfunction in the ITM system. In such case, please take your vehicle to an Authorized Mahindra Dealer.

## Towing Instruction for AWD Vehicles

While towing on two wheels, propeller shaft needs to be disconnected in order to protect the coupling. Propeller shaft need not be disconnected while towing on all four wheels.

## Catalytic Converter

The catalytic converter is an emission control equipment fitted in the exhaust system that reduces pollutants by converting poisonous exhaust emissions from the engine into less environment polluting gases. It converts harmful unburnt hydrocarbons, carbon monoxide and oxides of nitrogen into harmless carbon dioxide, water vapor and nitrogen.

Care and maintenance to minimise the possibility of damage.

- Maintain the engine in the proper operating condition
- Consult an Authorised Mahindra Dealer at the earliest in the event of irregular running of engine following a cold start, a significant loss of the vehicle drivability or other unusual malfunctions

### CAUTION

- ***Avoid jump starting of the engine by pushing or towing the vehicle or by coasting downhill***
- ***Avoid frequent cold starts***
- ***Even if the emission control system is operating properly, under certain engine operating conditions there may be an unusual exhaust smell from the vehicle***
- ***If the exhaust smells / fumes are detected inside the vehicle, drive the vehicle with windows fully open and have the cause immediately checked and rectified.***

### WARNING

***High temperature in catalytic converters (in very unfavorable conditions) may cause fire if it comes in contact with inflammable materials. Therefore the vehicle should be parked in such a way that the catalytic converter does not come in contact with inflammable materials such as grass, leaves, paper or rags.***



## Start / Stop System (If equipped)

### How does the Start / Stop System work?

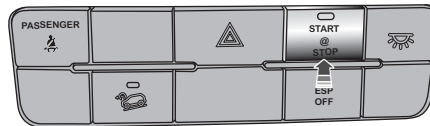
Let's take a simple example of driving in traffic conditions within the city. Assume that your vehicle has stopped at a traffic junction due to red signal. The following steps illustrate how the system functions.

1. Vehicle has come to a halt due to traffic signal / jam. The vehicle is in neutral gear and the clutch pedal is fully released.
2. Immediately after releasing the clutch pedal fully, the indicator in the cluster will blink, indicating that the engine is going to stop shortly. Engine will automatically shut down in 2 seconds after releasing the clutch pedal fully.
3. Once the engine stops, the indicator will illuminate continuously in your instrument cluster indicating the engine was stopped by the Start / Stop System.

4. Once the traffic signal turns green, pressing the clutch pedal will start the engine.
5. Indicator in the cluster goes OFF indicating that the engine has started again and you are ready to drive on.



To activate the Start / Stop System, ensure the switch located in the center of the instrument panel is in pressed condition.



### For auto stop to happen the following conditions are to be met:

1. Start / Stop System is activated using the selection switch
2. Bonnet is fully closed
3. In the current ignition cycle, the vehicle has crossed approx. 2 kmph at least once
4. Current status of the engine is idling.
5. Accelerator pedal and clutch pedal are fully released
6. Engine is warm enough. This is an extra precaution to ensure safe working of the engine

### For auto start to happen the following conditions are to be met:

1. Vehicle should have been stopped by the Start / Stop System
2. Gear lever is in neutral position
3. Vehicle speed is zero
4. Start / stop activation switch is in ON state

Driver presses clutch pedal fully to restart the engine / vehicle.

## 1. What is the advantage of the system?

Start / Stop System aids in attaining better fuel efficiency on your vehicle and thus reducing your running costs. However, the mileage improvement will depend upon various parameters such as prevailing traffic, driving pattern etc.

## 2. What are the other advantages of the system?

- Since the engine is turned OFF during traffic signals / jams, considerable amount of carbon dioxide release to the atmosphere is avoided. This reduces global warming and thus provides us with a sustainable planet to live in
- Ability to restart the engine by pressing the clutch pedal
- Reduces noise pollution at traffic signals

## 3. Is it possible to start the engine through clutch pedal for the first time?

No, the engine could be cranked only through ignition key for the first time. If the engine is stopped automatically by the system, then only it is possible to start the engine through clutch pedal.

## 4. How to activate / deactivate the system?



The system can be turned ON or OFF using the Start / Stop activation switch.

## 5. Whether AC will function, if the engine is turned OFF?

No, AC will not work during the period when the engine is in auto stop. However blower fan will be in operation when ignition is ON.

## 6. What will happen if I keep the clutch continuously pressed at traffic signals/ jams?

The system will not stop the engine if the clutch is continuously pressed since it indicates the driver's intention of moving the vehicle immediately.

## 7. Whether will I be able to operate the engine through the normal ignition key?

Normal operation through ignition key is always possible.

## 8. Whether the vehicle will start (or) stop in gear?

The vehicle will not start or stop automatically in gear to ensure safety. It will do so only in neutral position of gear shift lever before driving.

## 9. What will be the effect of frequent number of starts on battery and starter motor?

Specially designed starter motor and battery are used to withstand the increased number of starts.

## **10. Whether the system will stop my engine in moving traffic?**

No, the engine will be stopped only when the vehicle speed is zero continuously for two seconds.

## **11. Whether audio will be turned OFF, when the engine gets shut down?**

No, audio will not be turned OFF and you can continue to enjoy the music.

## **12. If any component involved in the system fails, what will happen?**

Most of the component system has built in diagnostic module which understands the failure and immediately goes to by-pass mode. In by-pass mode the engine can be turned ON and OFF by ignition key as usual.

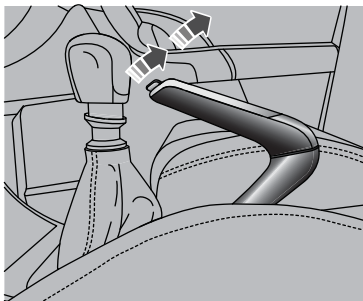
## **13. Are there any indications to show that engine does not stop due to poor battery charge state?**

Yes, if all other conditions except battery charge are met, start/stop lamp will blink little faster for 7.5 seconds and the engine will not stop.

## Brake System

Your vehicle has power-assisted brakes. Should power assist fail, you can stop by applying greater force than normal to the brake pedal. But the distance required to stop will be greater than usual.

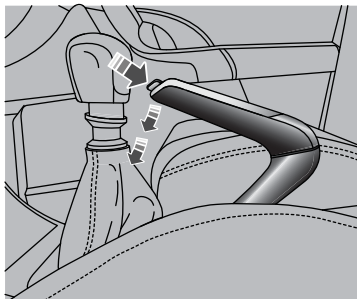
## Parking Brake



**To engage:** Pull the parking brake lever upwards as firmly as possible.

**To release:**

1. Firmly apply the foot brake
2. Place the gear shift lever in the N (Neutral) position



3. While pulling up on the parking brake lever slightly, push the release button and lower the lever completely
4. Before driving, be sure that the brake warning light goes out

If the parking brake does not release, have the system checked by an Authorised Mahindra Dealer.

### WARNING

- **Do not apply the handbrake while the vehicle is in motion (except in an emergency) as this could result in loss of vehicle control and damage to the transmission.**
- **Do not rely on the handbrake to operate effectively if the vehicle has been subjected to immersion in mud and water.**

## Brake System Failure



Check the brake warning light by turning the ignition switch ON. This light will be illuminated when the parking brake is applied with the ignition switch in the start or ON position. Before driving, be sure the parking brake is fully released and the brake warning light is turned OFF.

If the brake warning light remains ON after the parking brake is released while engine is running, there may be a malfunction in the brake system.

- Front brake pads are worn out
- Brake fluid low level

Drive the vehicle to the side of the road. You may notice the brake pedal going closer to the floor. In this case, it will take longer to stop the vehicle

1. There might be a leak in the hydraulic system. Check with Authorised Mahindra Dealer for further assistance. Also check the brake fluid level, Immediately add fluid if required.
2. After adding fluid, check the light again, If the warning light remains ON, drive carefully to the nearest Authorised Mahindra Dealer for getting the brake system corrected.

## NOTICE

***If brake warning light still illuminates apart from the above conditions, have the vehicle checked at an Authorised Mahindra Dealer.***

## WARNING

***Driving with the brake system warning light ON is dangerous. It indicates that your brakes may not work at all or that they could completely fail at any time. If this light remains ON, have the brakes inspected immediately by an Authorised Mahindra Dealer.***

## Anti-Lock Braking System (ABS) (If equipped)

The purpose of ABS is to allow efficient braking without wheel locking, thereby allowing the driver to retain steerability and control of the vehicle.

### ABS in action

Under normal driving conditions (where sufficient road surface friction exists to reliably bring the vehicle to a halt without the wheels locking), ABS will not be brought into operation.

However, should the braking force exceed the available adhesion between the tyres and the road surface, then ABS will automatically come into operation; brake pedal 'feel' will harden, and the sound of solenoid cycling may be heard as the ABS regulates braking pressure to ensure wheel rotation.

## NOTICE

- *During braking, some vibration may be felt through the brake pedal. This is a normal result of the system regulating braking pressure. However, frequent vibration indicates a hazardous surface under the road wheels and is a warning to the driver to adjust speed to suit the road surface and traffic conditions.*
- *When ABS stops operating, the 'feel' of the brake pedal will revert to its non-ABS condition.*

## WARNING

- *ABS cannot overcome the physical limitations of stopping the vehicle in too short a distance, cornering at too high a speed, or the danger of aquaplaning, i.e. where a layer of water prevents adequate contact between the tyres and the road surface.*
- *The fact that a vehicle is fitted with ABS must never tempt the driver into taking risks that could affect his/her safety or that of other road users. In all cases, it remains the driver's responsibility to drive within normal safety margins, having due consideration for the prevailing weather and traffic conditions.*
- *The driver should always take account of the surface to be travelled over and the fact that brake pedal reactions will be different to those experienced in a non-ABS vehicle.*

## WARNING

- *ABS is designed to operate only with genuine Mahindra parts, and the tyres and wheels as specified. Mahindra cannot accept any responsibility for inefficient operation of the system caused by modifications to the vehicle or the fitting of nonapproved components. Always consult an Authorised Mahindra Dealer for advice.*
- *Do not pump the brake pedal at any time as this will interrupt ABS operation and may increase braking distance.*
- *Ensure that there are no obstructions beneath the brake pedal which may prevent full travel, i.e. additional floor mats, water bottles, cleaning brush etc.*

## ABS Warning Light



A fault with the ABS is indicated by illumination of ABS warning indicator in instrument cluster. If the light remains ON or illuminates whilst driving, this indicates a malfunction of the ABS system. In this case ABS control is not available. However your basic brake system will work normally. Drive carefully to the nearest Authorised Mahindra Dealer for getting the ABS system corrected.

## Electronic Brake Force Distribution (EBD) (If equipped)

Your vehicle is equipped with EBD, which distributes the brake force between front and rear wheels while braking under all vehicle loading conditions.

Typically, the front end carries the more weight and EBD distributes less braking pressure to the rear brakes so that the rear brakes do not lock up and cause a skid.

For example, under light loads EBD applies less effort to the rear brakes to maintain vehicle stability whereas on the other side it allows full braking effort to the rear wheels when the vehicle is fully loaded.

## EBD Warning Indicator



A fault with EBD is indicated by illumination of the brake as well as ABS warning indicator. When EBD warning indicator comes ON, drive the vehicle with lower speed and avoid sudden and panic braking. Contact nearest Authorised Mahindra Dealer for getting the EBD system corrected.

## Electronic Stability Program (ESP) (If equipped)

This system enhances directional control and stability of the vehicle under various driving conditions. The ESP corrects for oversteering and understeering behavior of the vehicle by applying the brake of the appropriate wheel automatically. Engine power may also be reduced to assist in counteracting the condition of oversteer or understeer and help the vehicle maintain the desired path.

ESP uses steering angle sensors and YAW rate sensor to determine the path that the driver intends to steer the vehicle and compares it to the actual path of the vehicle. When the actual path does not match the intended path, the ESP applies the brake of the appropriate wheel to assist in counteracting the condition of oversteer or understeer.

- Oversteer - when the vehicle is turning more than appropriate for the steering wheel position
- Understeer - when the vehicle is turning less than appropriate for the steering wheel position

### WARNING

***The ESP cannot prevent the natural laws of physics from acting on the vehicle, nor can it increase the traction afforded by prevailing road conditions. The ESP cannot prevent accidents, including those resulting from excessive speed in turns, driving on very slippery surfaces, or hydroplaning. Only a safe, attentive, and skillful driver can prevent accidents. The capabilities of an ESP equipped vehicle must never be exploited in a reckless or dangerous manner that could jeopardize the user's safety or the safety of others.***

### ESP ON

Whenever the vehicle is started, the ESP system will be in active mode. This mode should be used for most driving conditions.

When the ESP is in operation, ESP warning indicator light blinks in the instrument cluster.



### NOTICE

- ***When the Electronic Stability Program is operating properly, you can feel a slight pulsation in the vehicle. This is only the effect of brake control and indicates nothing unusual.***
- ***When moving out of the mud or slippery road, accelerator response may be different because ESP system controls the engine rpm to come out this slippery road condition. This is normal.***

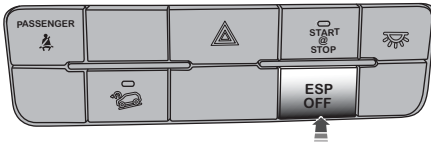


## ESP OFF

In some driving conditions, to maximise traction, it may be beneficial to deactivate ESP. Such conditions are:

1. To start in deep snow or on a loose surface
2. Driving in deep sand
3. Driving through deep mud etc.

To deactivate ESP, press ESP OFF switch on the central bezel switch bank. Press ESP OFF switch again to activate ESP function.



Once ESP OFF mode is selected, a warning indicator illuminates in the instrument cluster.



## NOTICE

- ***Mahindra recommends that ESP is operational in all normal driving conditions***
- ***When ESP is in OFF mode, other functions like HHC (Hill Hold Control) HBA (Hydraulic Brake Assist), HDC (Hill Descent Control), DTC (Drag Torque Control), ROM (Roll Over Mitigation) will be in working mode***
- ***However for safety reasons, if the ESP system detects that the vehicle goes into a unstable condition, ESP will be automatically activated after pressing the brake pedal***
- ***ESP, by default, will be in ON condition for every ignition ON and OFF***

## ESP Warning Indicator



If this indicator blinks while driving, it indicates that ESP is working.

If this indicator illuminates continuously, it indicates that some malfunction is detected in the ESP system.

Drive carefully to the nearest Authorised Mahindra Dealer for getting the ESP system corrected.

## Hydraulic Brake Assist (HBA) (If equipped)

ESP system recognises / identifies an emergency braking situation from the driver braking characteristics and thereby achieves a braking output equivalent to a full force demand at the controls. HBA automatically boosts the braking force to the maximum and helps to stop the vehicle as quickly as possible.

### NOTICE

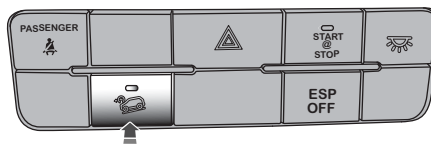
- **Pressure should be maintained on the brake pedal during entire brake application. If the brake pedal is released, HBA will stop operating**
- **Only an expert driver can sense whether HBA is working or not. A normal driver may not be able to realise this function**

## Hill Descent Control (HDC) (If equipped)

Assists the driver to descend a steep hill (max 50% inclination) by means of brake intervention so that the vehicle speed is limited without driver's support.

During HDC control if the wheel slip becomes excessive, ABS will be activated automatically.

HDC is a user intended function. To activate press HDC switch on the central bezel switch bank. Once HDC switch is ON, the switch will illuminate.



Press the switch again to deselect this function.

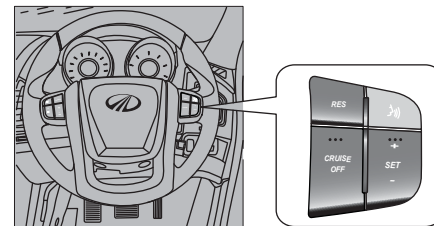
## HDC in action

During a descent, if the vehicle speed is more than the rated speeds (refer recommended shift speeds), HDC (if selected) automatically operates the brakes to slow the vehicle and maintain a speed relative to the selected gear and the accelerator pedal position.

HDC will also work in neutral gear, and maintains the vehicle rolling speed by operating brakes automatically. HDC will deactivate automatically, if the vehicle speed is more than 45 Kmph.

### NOTICE

**With HDC selected, gear changes can be carried out in the normal way.**



While HDC is controlling the vehicle speed, descent speeds can be varied using cruise control switches mounted on the steering wheel. To descent speed, press and hold “-” switch. The vehicle speed at the point of switch release will become the new descent speed.

To increase, press and hold “+” switch. The vehicle speed at the point of switch release will become the new descent speed. Alternatively, descent speeds can be adjusted by tapping the “+” or “-” switches. Each press of the switch will adjust the speed by approximately 0.5 km/hr.

## NOTICE

***The descent speed will only increase if the gradient is sufficiently steep to cause the vehicle to accelerate as the braking effect is reduced. On a shallow slope, pressing the “+” switch may result in no speed increase.***

If the brake pedal is depressed when HDC is active, HDC is overridden and the brakes will perform as normal (a pulsation might be felt through the brake pedal). If the brake pedal is then released, HDC will recommence operating if necessary.

## HDC Fade-Out

HDC system will monitor the brake temperature continuously, If brake application is continuous and brake temperatures are too high, HDC will deactivate automatically. This is to ensure that the brake pads are not faded due to continuous brake application.

## HDC Warning Indicator



If HDC is selected, check the LED lamp on the HDC switch itself. If this lamp is not illuminating, that means the system is not turned ON. Also if the warning light on the cluster is continuously illuminates, it indicates the system is not working.

Get the vehicle checked by the nearest Authorised Mahindra Dealer for getting the HDC system corrected.

## Hill Hold Control (HHC) (If equipped)

Imagine a situation where your vehicle is stopped on uphill incline. If you release the brake while moving off, there are chances that your vehicle may roll back. To prevent this, a feature called Hill Hold Control is provided.

Hill Hold Control with acceleration sensor identifies gradients and holds the vehicle for about three to four seconds after the brakes have been released in order to prevent the vehicle from accidentally rolling backwards during a hill start.

## NOTICE

- ***You can't manually intervene the operation of HHC***
- ***HHC to work, clutch pedal must be in fully pressed condition and gear must be engaged***

## HHC Warning Indicator



If this indicator illuminates continuously in the instrument cluster, it indicates that there is some malfunction with the HHC function. Drive carefully to the nearest Authorised Mahindra Dealer for further assistance.

## Cruise Control (If equipped)

Cruise Control enables the driver to maintain a constant road speed without the accelerator pedal. This is particularly useful for motorway cruising or for any journey where a constant speed can be maintained for a long period. Cruise Control is designed to activate for all gears except 1st when the vehicle speed is above 20 km/hr.

### NOTICE

***Always ensure following conditions met while operating Cruise Control:***

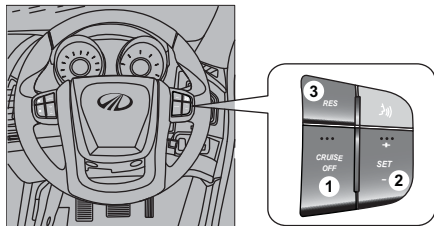
- ***Vehicle speed should be more than 20 km/hr with gears in 2nd,3rd, 4th, 5th or in 6th gear***
- ***Clutch pedal should not be in pressed condition***
- ***Brake pedal should not be in pressed condition***
- ***Once the Cruise Control is activated with the help of SET (+) button, user has to remove the foot from the accelerator pedal***
- ***Vehicle should follow the cruising mode***

### CAUTION

***Always observe the following precautions:***

- ***Do not use cruise control in traffic conditions where a constant speed cannot easily be maintained***
- ***Do not use cruise control on winding or slippery road surfaces, or in off-road conditions such as rough tracks or on sand***
- ***When the 'SET (+)' button is pressed, if the acceleration is felt to be too fast and vehicle goes beyond control, press brake or clutch immediately for safety and coming out of Cruise Control***

The steering wheel switches operate as follows:



1. **CRUISE OFF** : Press to suspend / cancel the cruising speed
2. **SET(+ / -)** : Press (+) to increase the cruising speed. Press (-) to decrease the cruising speed
3. **RES** : Press to resume the cruising speed

## To Operate

Accelerate until the desired cruising speed is reached. This must be above the system's operational minimum speed i.e. 20 kmph.

Press the (+) switch to set the vehicle speed in the system's memory. Cruise Control will now maintain that road speed.



The warning indicator in the instrument cluster illuminates. With Cruise Control operating, speed can be increased by normal use of the accelerator e.g. for overtaking. When the accelerator is released, road speed will return to the previously set cruising speed.



## To Increase Cruising Speed



Press and hold the (+) switch; the vehicle will accelerate. Release the switch as soon as the desired speed is reached.

The vehicle speed at the point of switch release becomes the new set speed.

Alternatively, the speed can be increased incrementally by tapping the (+) switch.

Each press of the switch will increase the speed by 2 km/hr.

A further alternative is to increase speed by normal use of the accelerator. When the desired speed is reached, press the (+) switch to set the Cruise Control.

## NOTICE

***Cruise Control will not operate at speeds below 20 kmph.***

## To Reduce Cruising Speed



Press and hold the (-) switch, the vehicle will decelerate. Release the switch as soon as the desired speed is reached.

The vehicle speed at the point of switch release becomes the new set speed.

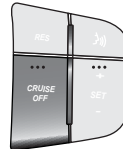
Alternatively, the set speed can decrease incrementally by tapping the (-) switch. Each press of the switch will decrease the speed by 2 km/hr.

## To Resume Cruising Speed



By pressing the RES switch, the last set cruise speed can be resumed, provided the ignition switch is ON and the vehicle speed is above 20 kmph.

## To Disengage / Suspend Cruising Speed



Cruise Control can be suspended by a single press of the CRUISE OFF switch. The warning indicator in the instrument cluster extinguishes.

Cruise Control will also suspend when the brake pedal is pressed, when the gear selector is moved into neutral or if HDC or ESP becomes active.

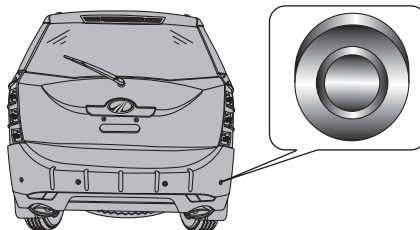
## Override Function

This function enables user to ramp up the cruising speed to overtake the vehicle in front. The cruising speed can be increased by using accelerator pedal. User has to complete this action within 30 seconds, to maintain the cruise mode. If user exceed the 30 seconds limit, cruise mode will be deactivated.

## Reverse Parking Assistance System (RPAS) (If equipped)

Reverse parking assistance system is provided to aid the driver while parking the vehicle in reverse at a speed of less than 5 kmph. While reversing, RPAS will detect the obstacles at the rear side of the vehicle within the sensing zone, which cannot be viewed through the internal rear view mirror and the outside rear view mirrors. The RPAS will then alert the driver by a beep sound about the location of the detected obstacle and the distance from the vehicle. The alert sound level will vary proportional to the distance. Smaller the distance shorter the interval between the beeps.

### RPAS Sensors



Four RPAS sensors are located at the rear bumper to provide complete rear view to the driver for hassle free parking.

### NOTICE

***Always keep the sensors clean and free from ice formation, dust, water etc. for proper working of the system.***

### Limitations of RPAS

- System may not sense obstacles like wire mesh, handrail, small objects which are below the bumper level
- System may not sense obstacles with cotton or spongy surface, which will absorb ultrasonic waves emitted by RPAS
- System performance is dependent on the reflection angle of the obstacle
- System may alert with beep sound while reversing the vehicle on grasslands and bumpy roads, considering it to be an obstacle
- System may give signal while the vehicle moves from plain ground to a slope terrain vice versa
- System may give signal by sensing the ground when the bumper is tilted more from the normal position or when the vehicle is heavily overloaded
- System may sound an alarm during heavy rain, snow and heavy wind conditions



## CAUTION

- *RPAS is an aiding system. Under no circumstances Mahindra will accept any responsibility or can be held liable for any direct or indirect, incidental or consequential damage caused by this system*
- *System will not sense pot holes, trenches or drainages which are below the ground level*
- *Repainting of the sensor will affect the performance of the system*

## Engaging and Disengaging of RPAS

- Engine should be in running condition to engage reverse parking assistance system
- RPAS will be activate automatically when reverse gear is engaged and deactivate when reverse gear is disengaged

## RPAS Information on Infotainment Screen



RPAS display on infotainment screen gives the following information:

- Left zone indicates obstacle on left hand side.
- Center zone indicates obstacle in the center.
- Right zone indicates obstacle on right hand side.

Display bars 1, 2, 3 and 4 indicate how close the obstacle is from the vehicle rear bumper, with bar 1 being very close and bar 4 being distant.

Distance indicator will display a **STOP** symbol if the obstacle is less than 50 cm from the vehicle rear bumper.

## Operation of RPAS

1. Start the vehicle
2. Engage the gear in reverse - RPAS will be displayed in the infotainment screen



3. Start moving the vehicle in reverse direction



4. Display bars in the respective direction will glow according to obstacles in its path.
  - a. If the obstacle is between 100 to 120 cm bar 4 will be turned ON
  - b. If the obstacle is between 75 to 100 cm bar 3 & 4 will be turned ON
  - c. If the obstacle is between 50 to 75 cm bar 2, 3 & 4 will be turned ON
  - d. If the obstacle is less than 50 cm all bars in that direction will be turned ON and a STOP symbol will be displayed



5. Distance indicator will display the distance in multiples of 2 cm, whichever is shortest
6. The alert sound can be heard from the driver side speaker. Frequency of the beep will increase if obstacle comes closer (crossing each display bar) and the sound will be continuous if any of the obstacle is less than 50 cm.



7. Optical indication will be displayed without any obstacle once the gear is shifted from reverse to any other gear, for 10 seconds or until the vehicle reaches 10 kmph (whichever is earlier)

### Example

Assume 3 obstacles are placed as mentioned below.

- Obstacle at left at 110 cm
- Obstacle at center at 80 cm
- Obstacle at right at 60 cm

On engaging the gear in reverse, infotainment will display as below.



Since obstacle is at 60cm in right - minimum distance is shown in the distance indicator.

Along with this beep sound can be heard from driver side speaker. Frequency of the beep will increase if obstacle comes closer (crossing each zones) and the sound will be continuous if any of the obstacles is less than 50 cm.

## Pay Attention

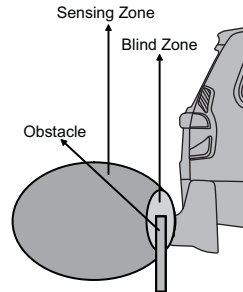
1. If display bars in any one of the sides are displayed with cross marks, contact an Authorised Mahindra Dealer



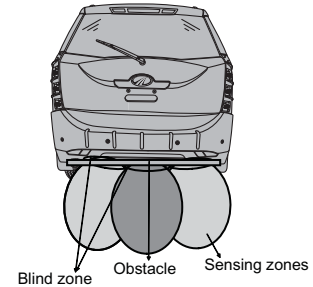
2. If all display bars are displayed with cross marks, contact an Authorised Mahindra Dealer



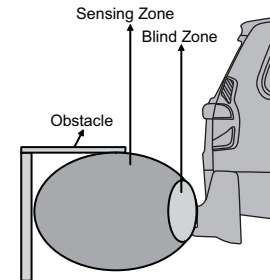
3. Obstacle in the blind zone cannot be sensed by the system



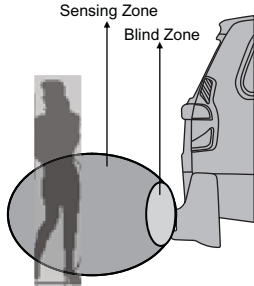
4. Please check the condition of the obstacle behind your vehicle before reversing. In some cases, the display may be not as same as reality due to the installed sensor level, obstacle shape, reflection condition. Some examples are given below.



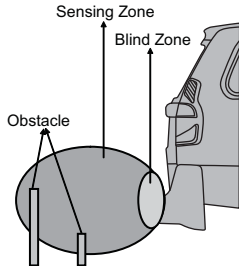
5. Point B will be detected sooner or later, but A may not be detected at all.



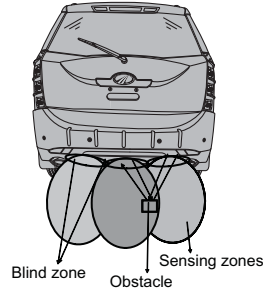
6. Not all obstacles are detected from 120 cm. For instance, a person is detected from 75 cm because of the weak reflection or absorption of the waves of the clothes.



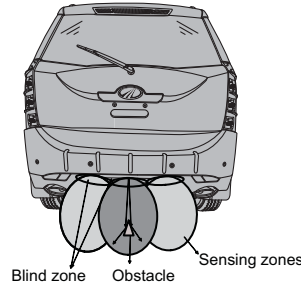
7. The distance indication may move up and down due to different sizes of the obstacle at different positions



8. Though the obstacle is in the sensing zone, obstacle may not be detected since the ultrasonic waves are not reflected back to the sensor



9. The obstacle of a conical shape may not be detected, since the ultrasonic waves get reflected away



## Tyre Pressure Monitoring System (TPMS) (If equipped)

TPMS is an electronic system designed to monitor the air pressure inside the pneumatic tyres. This system will alert the driver if the tyre pressure falls below the low pressure warning limit for any reason, including low temperature effects and natural pressure loss through the tyre. The TPMS will continue to alert the driver and will not turn off until the tyre pressure is inflated to the recommended pressure.

### Operation of TPMS

TPMS uses wireless technology with wheel rim mounted electronic sensors to monitor tyre pressure levels. Sensors mounted to the valve stem of each wheel, transmit tyre pressure readings to the receiver module. Receiver module in turn will communicate this information to the instrument cluster and infotainment system. Tyre locations will display as OK, if all tyre pressure and temperature are in the recommended range.

### CAUTION

- *The TPMS has been customised only for the manufacturer's genuine tyres and wheels. TPMS pressure limits and warning messages have been established for the tyre size equipped on your vehicle. Replacement of manufacturer's parts with a different size, type or style of components may damage the sensor and also it may give incorrect readings.*
- *Do not use aftermarket tyre sealants or balance beads if your vehicle is equipped with TPMS. Failure to comply may lead to sensor damage.*

### NOTICE

- *The TPMS is not intended to replace normal tyre care and maintenance or to provide warning of a tyre failure or condition*
- *The TPMS should not be used as a tyre pressure gauge while adjusting vehicle tyre pressure*
- *Driving with under-inflated tyres cause the tyres to overheat and may lead to tyre failure.*
- *Under-inflated tyres also reduce fuel efficiency and tyre tread life, and may affect the vehicle's maneuverability and braking ability.*
- *The TPMS is not a substitute for proper tyre maintenance, and it is the driver's responsibility to maintain correct tyre pressure using an accurate pressure gauge, even if under-inflation has not reached the level to trigger illumination of the TPMS warning indicator.*

## NOTICE

- *Seasonal temperature changes will affect tyre pressure, and the TPMS will monitor the actual tyre pressure in the tyre.*

### TPMS Warning Indicator

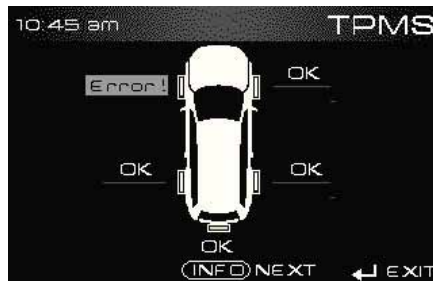


TPMS warning indicator will blink for 75 seconds and remain ON in the instrument cluster, if any of the below mentioned condition occurs in the tyres:

- Sensor signal missing
- Sensor faulty

During this infotainment also will display as below.

For example: Front left tyre



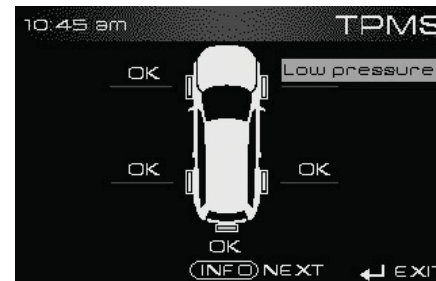
If above condition occurs, contact the nearest Authorised Mahindra Dealer for further assistance.

TPMS warning indicator will illuminate in the instrument cluster, if any of the below mentioned errors occur in the tyres.

- Low pressure (<24 psi / 1.65 bar)
- High pressure (> 48 psi / 3.31 bar)
- Air leakage (> 3psi/sec / 0.25 bar/sec)
- High temperature (>98 Deg C)

During the above alerts infotainment will be displayed as below:

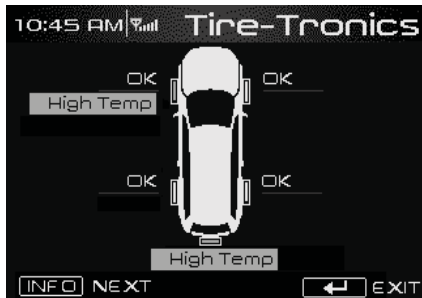
Example: Front right Low pressure



High pressure



## High temperature



## Air leakage



## NOTICE

**After tyre rotation or TPMS sensor replacement, receiver must be learnt, otherwise the system will show TPMS malfunction indicator.**

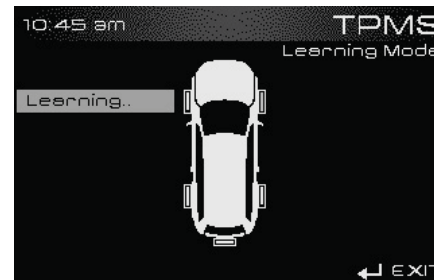
### TPMS Learning Switch

TPMS learning switch is located to the left hand side of the instrument cluster.

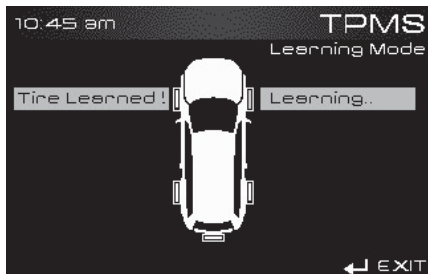


### Procedure for TPMS Learning

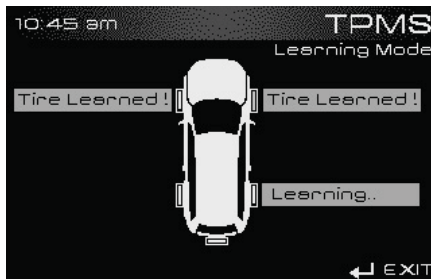
1. Press the TPMS switch in the cluster and turn ignition ON along with the switch pressed, infotainment will be displayed as below and TPMS warning lamp in the cluster will start blinking.



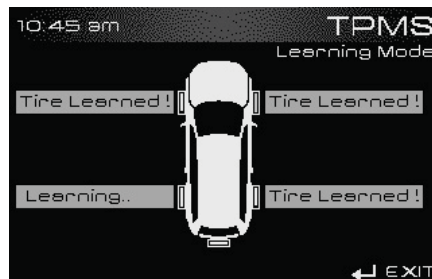
2. Start removing air from front left tyre, once the tyre get learnt, vehicle alarm and hazard lamp will alert once and the screen in the infotainment will change as below.



3. Start removing air from front right tyre. Once the tyre get learnt, vehicle alarm and hazard lamp will alert once and the screen in the infotainment will change as below.



4. Start removing air from rear right tyre. Once the tyre get learnt, vehicle alarm and hazard lamp will alert once and the screen in the infotainment will change as below.



5. Start removing air from rear left tyre. Once the tyre get learnt, vehicle alarm and hazard lamp will alert once and the screen in the infotainment will change as below.



6. Start removing air from spare tyre. Once the tyre get learned, vehicle alarm and hazard lamp will alert 3 times to indicate all the tyres were learned and the screen in the infotainment will change as below to indicate all tyres were learnt successfully.





7. If there were any problem in learning, system will alert through alarm and hazard lamp 5 times to indicate the tire learning is not complete.

## Tyre Swapping

If the tyres were swapped with the spare tyre, then system will alert the user through infotainment as tyres swapped. Infotainment system will display below message.



User needs to press the TPMS switch in the cluster to acknowledge the same.

TPMS warning indicator will continue to glow if the spare tyre is having any pressure or temperature alert. After correction, user needs to press the TPMS switch to acknowledge the spare tyre has been corrected and to remove the alert in the cluster and infotainment.

### CAUTION

- ***Please note, if swapping is done for more than one tyre or with the other running tyres, system cannot identify the same and the system needs to be relearned by manual learning process***
- ***After correcting the spare tyre, user needs to press the TPMS switch in cluster to acknowledge the correction, since system cannot understand on its own for spare tyre.***

GENERAL MAINTENANCE

4

## Maintenance

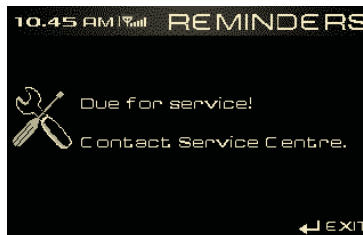
### General Owner's Information

Your vehicle has been designed for fewer maintenance requirements with longer service intervals to save both your time and money. However, each regular maintenance, as well as day-to-day care is more important than ever before to ensure a smooth, trouble free, safe and economical operation.

It is the owner's responsibility to make sure the specified maintenance, including general maintenance service is performed. Note that both the new vehicle limited warranty and emission control system limited warranties specify that proper maintenance and care must be performed. See Service Coupon Booklet for complete warranty information.

It is recommended that any replacement parts used for maintenance or for the repair of the emission control system be supplied by Mahindra.

### Service Reminder Information



This is an indication that the vehicle needs to be serviced. Once the above message comes, take your vehicle to nearest Authorised Mahindra Dealer.

Regular servicing of the vehicle is necessary to ensure the peak performance of the vehicle.

After service, ensure that the service reminder indicator is reset.

### NOTICE

*Service reminder information is an additional assistance, provided in order to know that the vehicle service is due. This is based on odometer reading. However, even if there is no service reminder message, ensure that the vehicle is regularly serviced as per maintenance schedule. Refer Maintenance Schedule given in later sections.*

### Where to go for Service?

Mahindra technicians are well trained specialists and are kept up to date with the latest service information through technical bulletins, service tips, and in dealership training programs.

You can be confident that your Mahindra dealer's service department does the best job to meet the maintenance requirements on your vehicle reliably and economically.

Your copy of the repair order is proof that all required maintenance has been performed for warranty coverage.

If any problems should arise with your vehicle while under warranty, your Authorised Mahindra Dealer will promptly take care of it. Again, be sure to keep a copy of the repair order and invoices for any service performed on your Mahindra vehicle.

## Get the most from Routine Maintenance

Routine maintenance is the best way to help ensure you get the performance, dependability, long life and better resale value you expect from your vehicle. This is exactly why we've put together this Maintenance Section. It outlines the services required to properly maintain your vehicle and when they should be performed. The focus is on maintaining your vehicle in great running condition, which goes a long way toward preventing major repairs and expenses later.

Here are a few suggestions to help you get started on routine maintenance:

- Familiarise yourself with your vehicle by going through your Owner's Manual
- Take a few minutes to review this Maintenance Section
- Make it a habit to use this manual to record scheduled maintenance in the Service Coupon Booklet
- Consult an Authorised Mahindra Dealer for all your vehicle's need.

## Protect your Warranty!

Routine maintenance is not only the best way to help keep your vehicle performing as intended, it's also the best way to protect your warranty. It is your responsibility to see that all scheduled maintenance is performed by an Authorised Mahindra Dealer. Failure to perform scheduled maintenance specified in this manual will invalidate warranty coverage on parts affected by the lack of maintenance.

## Maintain Records with the Service Coupon Booklet

It's important to document the maintenance of your vehicle. For your convenience to maintain records of service, the scheduled maintenance coupons are provided in the Service Coupon Booklet. Every time you bring your vehicle for scheduled maintenance, be sure to present this booklet and certify the work. Also record the date of service, mileage at the time of service, and attach your receipt. This will make record keeping easy. Should your vehicle ever require warranty coverage, you will have all the documentation to show that you've properly maintained it.

## Maintenance Interval

Mahindra establishes recommended maintenance intervals based upon engineering testing to determine the most appropriate mileage to perform the various maintenance services. This protects your vehicle at the lowest overall cost to you. Mahindra recommends that you do not deviate from the maintenance schedules presented in this Maintenance Schedule.

## Oils, Fluids and Flushing

In many cases, fluid discoloration is a normal operating characteristic by itself, and does not necessarily indicate a concern or that the fluid needs to be changed. However, discolored fluids that also show signs of overheating and/or foreign material contamination should be inspected immediately by an Authorised Mahindra Dealer. Your vehicle's oils and fluids should be changed at the specified intervals or in conjunction with a repair.

### **WARNING**

***Installation of non-genuine parts or accessories could be dangerous. Non-genuine and non-approved parts / accessories may fit into your vehicle, but they could seriously affect your vehicle performance or safety system which could cause a serious accident.***

## General Maintenance

Listed below are the general maintenance items that should be performed frequently. In addition to checking the items listed below, if you notice any unusual noise, fluid leakages, smell or vibration, you should take your vehicle to an Authorised Mahindra Dealer.

### **CAUTION**

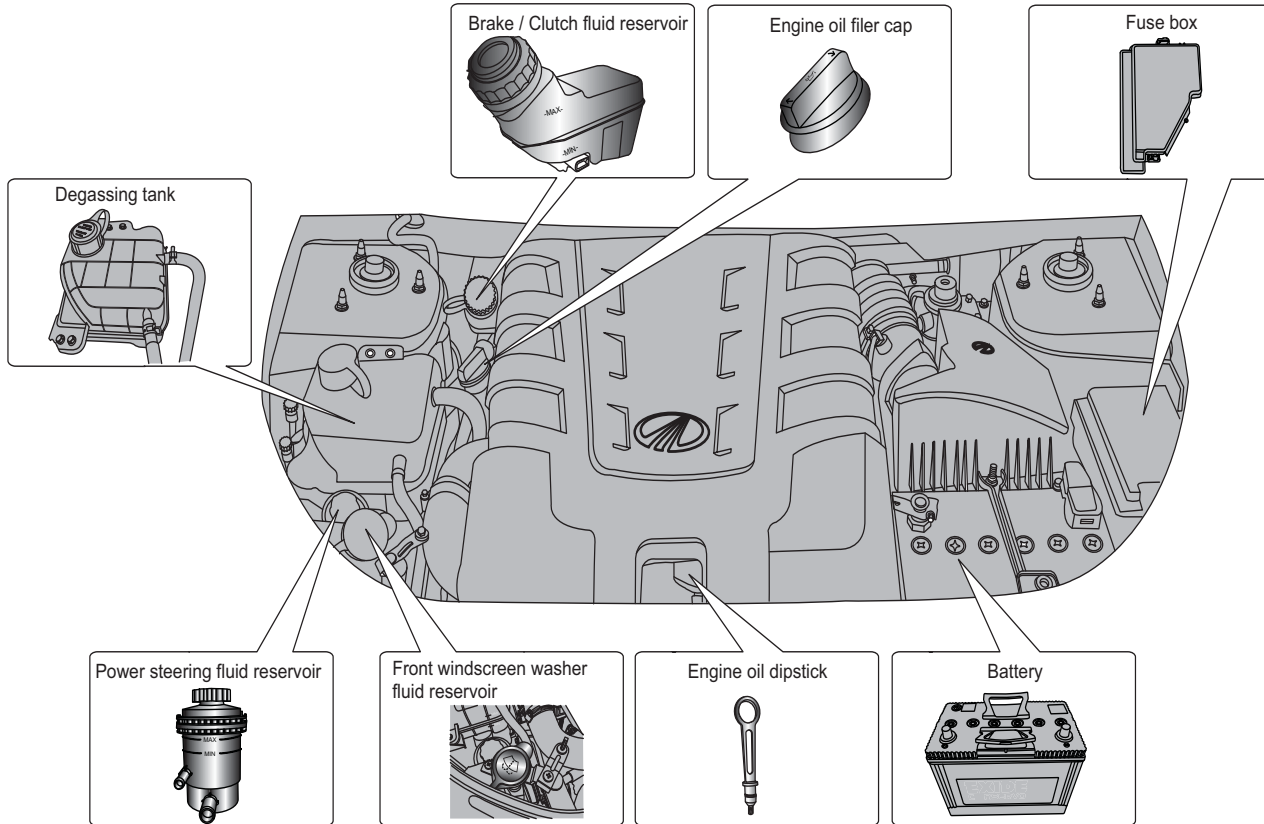
***Make these checks only with adequate ventilation if you intend to run the engine.***

Items listed below should be checked frequently.

## In the Engine Compartment

- Windshield washer fluid level
- Engine coolant level
- Battery condition
- Brake / Clutch fluid level
- Engine oil level
- Power steering fluid level

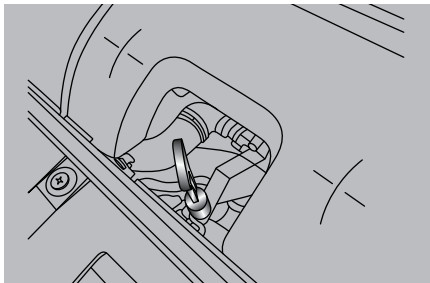
## Engine Compartment Overview



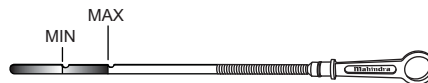
## Engine Oil

### Inspecting Engine Oil Level

1. Park the vehicle on level surface and apply the parking brake
2. Start the engine and let it idle until it reaches operating temperature
3. Turn OFF the engine. Wait for 10 minutes, allow the oil to drain into the oil pan
4. Pull out the dipstick, wipe it clean, and reinsert it fully



5. Pull out the dipstick, if the oil level is between **Min and Max** marks, the oil level is acceptable, do not add oil.



6. If it is near or at **Min** add enough oil to bring the level to **Max**. Do not overfill. Refer "**Recommended lubricants and filling capacities**" section before adding engine oil.

### CAUTION

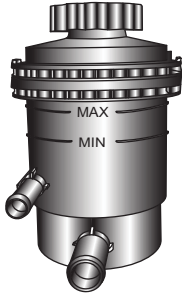
- **Don't add engine oil over Max level. This may cause engine damage.**
- **Do not operate the vehicle with the engine oil level dipstick and/or the engine oil filler cap removed.**

### NOTICE

*Engine oil viscosity, or thickness, has an effect on fuel economy and cold weather operation. Low viscosity engine oils can provide improved fuel economy and cold weather performance. But high temperature weather conditions require higher viscosity engine oils for satisfactory lubrication.*

## Power Steering Fluid

### Inspecting Power Steering Fluid Level



With the vehicle on level ground, check the fluid level in the power steering reservoir periodically. The fluid should be between **MAX** and **MIN** marks on the side of the reservoir. Before adding power steering fluid, thoroughly clean the area around the reservoir cap to prevent power steering fluid contamination. If the level is low, add fluid to the **MAX** level. Refer "**Recommended lubricants and filling capacities**" section before adding power steering fluid.

### NOTICE

*Check and top-up the fluid level only with the engine turned OFF and the system cold, and ensure that the steering wheel is not turned after stopping the engine.*

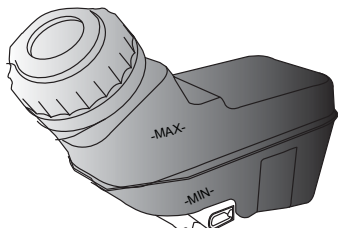
### CAUTION

- *To avoid damage to the power steering pump, don't operate the vehicle for long periods when the power steering fluid level is low*
- *Never start the engine when the reservoir tank is empty*
- *The use of non-specified fluid could reduce the effectiveness of the power steering system and cause damage to it*



## Brake/Clutch Fluid

### Inspecting Brake/Clutch Fluid Level



Inspect the fluid level in the reservoir regularly. It should be kept at **MAX**. The level normally drops with accumulated distance, a condition associated with wear of brake linings. If it is excessively low, have the brake system inspected by an Authorised Mahindra Dealer.

#### NOTICE

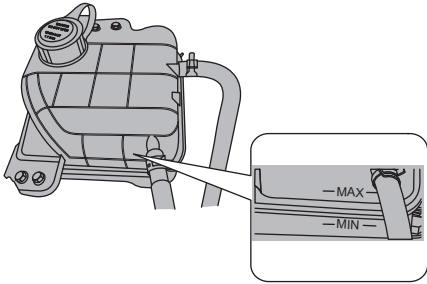
*The brake and clutch fluid is drawn from the same reservoir.*

### Adding Brake / Clutch Fluid

Clean the area around the cap. If the fluid level is low, add fluid until it reaches **MAX**. Before adding fluid, refer "**Recommended lubricants and filling capacities**" section before adding Brake/Clutch fluid.

## Cooling System

The high pressure cooling system has a degassing tank filled with coolant to the max level.



## Inspecting Engine Coolant Level

- Park the vehicle on a flat horizontal surface. Keep the parking brake fully engaged. Turn OFF the engine.
- Wait till engine cools down and hence coolant temperature comes down to normal room temperature. The coolant level should be between '**MIN**' and '**MAX**' marking provided on degassing tank.

- In case coolant level is below the '**MIN**' marking, coolant should be topped-up. Refer "**Recommended lubricants and filling capacities**" section before adding engine coolant.
- Slowly open the degassing tank cap. Never open the pressure cap quickly. This will ensure progressive pressure release in the system.
- Coolant should be filled till fill level rises above '**MIN**' but remain below the '**MAX**' marking on degassing tank.
- However if degassing tank is found to be near empty, it is recommended that the system be checked at an Authorised Mahindra Dealer.

### **WARNING**

***Never open the pressure cap when the engine is hot. Hot coolant may splash resulting in serious personal injury or severe burns by erupting liquid.***

### **CAUTION**

***Top up only with recommended Ready To Use (RTU) coolant for ensuring performance, anti-freezing and corrosion protection. Do not add water directly. Mixing with other brand of coolants should be avoided and is not recommended.***

### **CAUTION**

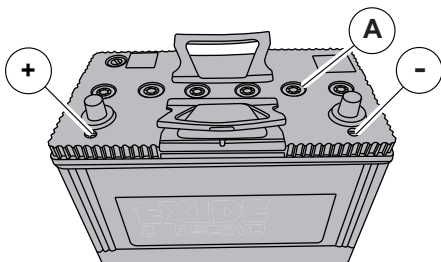
- ***Coolant can damage paint. Rinse it off quickly, when it comes in contact with the vehicle body.***
- ***Use only genuine premixed coolant. Water that contains mineral will cut down the coolant's effectiveness and harm the engine components. In case necessary add only soft water in the coolant.***

## Battery

### Checking Battery Condition

#### Battery Exterior

Check the battery exterior for corroded / loose terminal connections, cracks / loose hold down clamp. If the battery terminal is corroded, wash it with a solution of warm water and baking soda. Prevent further corrosion by applying petroleum jelly to the outside of the terminals.



A - vent plugs

### CAUTION

- **Be sure the engine and all accessories are turned OFF before performing maintenance**
- **When washing, ensure that the washing solution does not get into the battery**
- **Do not remove the battery connection while engine is running. This may cause damage to ECU and to other electronic equipments.**
- **Always disconnect the negative terminal cable first from the battery. But when reconnecting, always connect positive cable first.**

Once battery is reconnected, following needs to be reset

1. Clock
2. AM, FM (channels memory)
3. Audio adjustments (Bass, Treble, Balance etc.)

If volume is too high it will automatically come to normal level. **Refer Infotainment system manual for adjustment of above**

### Checking Electrolyte Level

Check the electrolyte level and specific gravity at intervals of three months. Check all the six cells for proper electrolyte level. If the level is below the lower marker, add distilled water until the level reaches the upper marker.

#### Adding Distilled Water

- Remove the vent plugs
- Add distilled water to all the cells that require the fluid
- Secure the plugs properly

### CAUTION

**Do not fill distilled water beyond the upper mark level. Excessive electrolyte could squirt out of the battery during heavy charging, causing corrosion or damage.**

## WARNING

- Do not expose the battery to flames or electrical sparks. Hydrogen gas generated by battery action is explosive. Do not allow battery fluid to contact your skin, eyes, fabrics, or painted surfaces. After touching a battery or battery cap, do not touch or rub your eyes. Thoroughly wash your hands. If the acid contacts your eyes, skin or clothing, immediately flush with water for at least 15 minutes and seek medical attention. Battery terminals and related accessories contain lead.

- Allowing children to play near the battery is dangerous. Battery fluid could cause serious injuries if it gets in the eyes or on skin. Always keep batteries out of the reach of children. Always wear eye protection when working near the battery.

- Never disconnect the battery when the engine is running.

## Battery Charge Indicator

### Amaron Battery

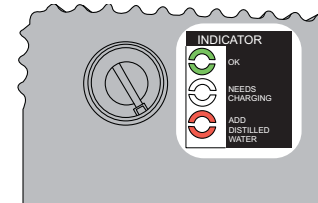


Battery contains following two different charge indicators:


 BATTERY OK


 RECHARGE / CALL AMARON HELPLINE


## Exide Battery



Battery contains following three different charge indicators:

 OK (Battery condition is good)

 NEEDS CHARGING

 ADD DISTILLED WATER

## NOTICE

**Battery charge indicator gives the indication of the closest cell where it is located. The battery may be defective in case there is any internal shorting of other cells which needs the attention of the Authorised battery dealer.**

## Tyres

### General

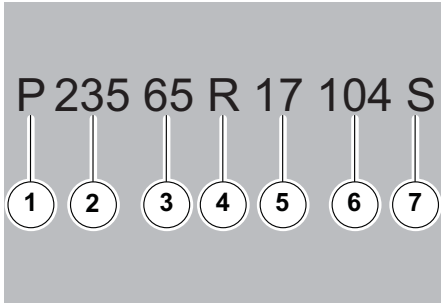
The tyres fitted in this vehicle are radial tubeless tyres mounted on 17 inch diameter wheels.

#### WARNING

*Driving your vehicle with different types of tyres is dangerous. It could cause poor handling and poor braking; leading to loss of control.*

### Tyre Rating

Tyre rating P 235 / 65 R 17 104 S is explained as follows:



1. **P:** The “P” indicates the tyre is designed for passenger vehicles
2. **Three-digit number (235):** This number gives the width in millimeters of the tyre from sidewall edge to sidewall edge.
3. **Two-digit number (65):** This number, known as the aspect ratio, gives the tyre’s ratio of height to width 65% of width in this case.
4. **R:** The “R” stands for radial.
5. **Two-digit number (17):** This number is the wheel or rim diameter in inches.
6. **Two or three digit number (104):** This number is the tyre’s load index. It is a measurement of how much weight each tyre can support.
7. **(S):** The “S” stands for speed rating. It denotes the speed at which a tyre is designed to be driven for extended periods of time.

### Tyre Pressure

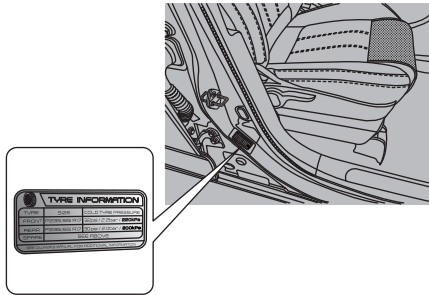
Proper tyre inflation pressure is essential for the safe and satisfactory operation of your vehicle. Three primary areas are affected by improper tyre pressure.

- Safety
- Economy
- Ride Comfort and Vehicle Stability

Proper tyre inflation contributes to a comfortable and safe ride. Overinflating produces a harsh and uncomfortable ride. Both under inflation and over inflation affect the stability of the vehicle and can produce a feeling of sluggish response or over responsiveness in the steering. Unequal tyre pressures can cause erratic and unpredictable steering response or may cause the vehicle to drift left or right. Improper inflation pressures can cause uneven wear patterns to develop across the tyre tread. These abnormal wear patterns will reduce tread life resulting in a need for earlier tyre replacement. Underinflation also increases tyre rolling resistance and results in higher fuel consumption.

## Tyre Pressure Label

It is located at the bottom of B pillar, near driver's door.



TYRE INFORMATION		
TYRE	SIZE	COLD TYRE PRESSURE
FRONT	P235 / 65 R17	32psi / 2.2bar / 220kpa
REAR	P235 / 65 R17	30psi / 2.0bar / 200kpa

## NOTICE

*The tyre pressure should be checked and adjusted, as well as inspected for signs of tyre wear or visible damage. Do not make a visual judgement when determining proper inflation. Radial tyres may look properly inflated even when they are under inflated. At the same time, each tyre should be inspected for signs of tyre wear or visible damage.*

## Tyre Inspection

Inspect your vehicle's tyres periodically by performing the following checks:

1. Measure the air pressure only when the tyres are cold. Adjust the pressure if necessary.
2. Check for abnormal wear, cracks and damage. If any tyre shows abnormal wear, have it inspected by an Authorised Mahindra Dealer and replace it if necessary.
3. Check for loose wheel nuts

4. Check for stones, nails and other objects that may be stuck in the tread

## CAUTION

- **Air pressures should be checked when the tyres are cold. Otherwise, you may get inaccurate results. Never under-inflate or over-inflate tyres. Under-inflation may cause the rim to slip on the tyre bead, resulting in an accident or damage to the tyre / rim. Over-inflation may cause the tyre to burst.**
- **Do not mix different ply-type ratings and/or different brands, construction or tread patterns of tyres on your Mahindra vehicle and do not use tyres other than the manufacture recommended size.**
- **Do not use alloy wheels / rims other than recommended. Doing so may cause dangerous handling characteristics resulting in loss of control.**

## **WARNING**

*Driving with worn tyres is dangerous.*

## Tyre Rotation

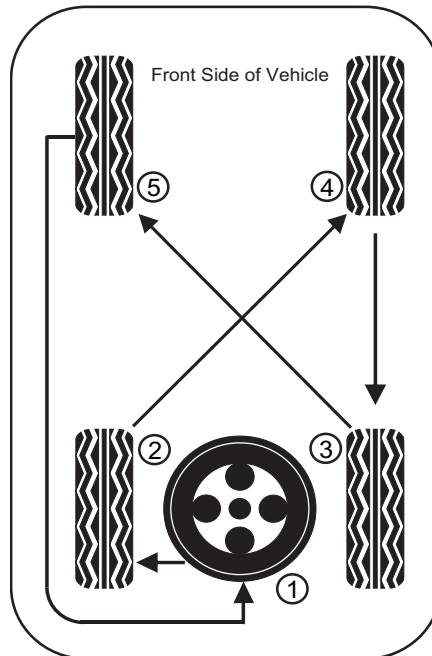
Tyres on the front and rear axles of vehicles operate at different loads and perform different steering, handling, and braking functions. For these reasons, they wear at unequal rates and develop irregular wear patterns.

Rotation will increase tread life, help to maintain mud, snow, and wet traction levels, and contribute to a smooth, quiet ride. Follow the recommended tyre rotation method.

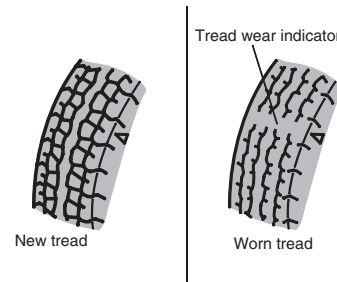
It is recommended to rotate the tyres as per the Maintenance Schedule.

### Recommended Tyre Rotation Method:

1. Spare wheel should go to Rear Left wheel.
2. Rear Left wheel should go to Front Right.
3. Rear Right wheel should go to Front Left.
4. Front Right wheel should go to Rear Right.
5. Front Left wheel should go to Spare wheel.



## Worn out Tyre



Because your vehicle's tyres may wear unevenly, you may need to replace them before a wear band appears across the entire tread. Some spots wear more heavily than others.

## Tyre Replacement

The tyres on your new vehicle provide a balance of many characteristics. They should be inspected at least monthly for wear and correct cold tyre inflation pressure. The service description and load identification will be found on the original equipment tyre. Failure to use equivalent replacement tyres may adversely affect the safety, handling, and ride of your vehicle. We recommend that you contact an Authorised Mahindra Dealer with any questions you may have on tyre specifications.

## Wheel Replacement

When replacing a wheel, make sure the new one is the same as the original factory wheel in diameter, rim width, and offset. Proper wheel balancing provides the best riding comfort and helps reduce tread wear. Unbalanced wheels can cause vibration and uneven wear, such as cupping and flat spots.

### WARNING

***Do not use a tyre, wheel size, or speed rating other than that specified for your vehicle on the tyre pressure label. Some combinations of unapproved tyres and wheels may change suspension geometric and performance characteristics, resulting in changes to steering, handling, and braking of your vehicle. This can cause unpredictable handling and stress to steering and suspension components. You could lose control of the vehicle or the tyre can unexpectedly fail, resulting in an accident, personal injury or death.***

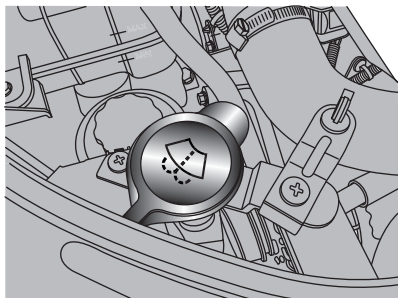
### NOTICE

***Match the tyre specifications with the original tyres fitted on to your vehicle before any replacement.***



## Front Windshield Washer and Wiper

### Front Windshield Washer Liquid top up

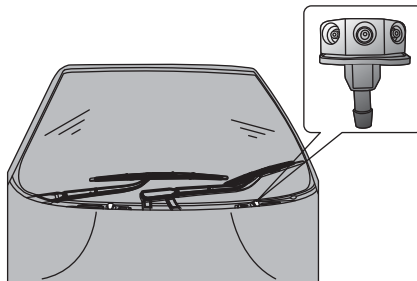


Top up front windshield washer reservoirs as and when required.

### NOTICE

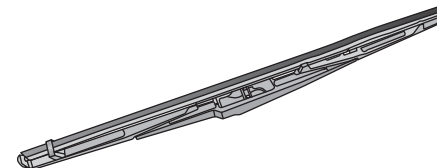
*Clean water to be filled / top up to the maximum in the windshield washer reservoir.*

### Windshield Washer Jet Adjustment



The front windshield contains two eye balls. The washer eye ball jets can be adjusted using a pin, for correct spray direction on the windshield. Always direct the washer jet to hit the middle of the windshield. This will help in performing a complete wipe of the windshield.

### Checking the Wiper Blades



Lift the wiper arm from its position. Expose the blade lip for inspection. Clean the wiper blade lips with water applied in a soft sponge. If the blade has cut, crack or bulging, replace them.

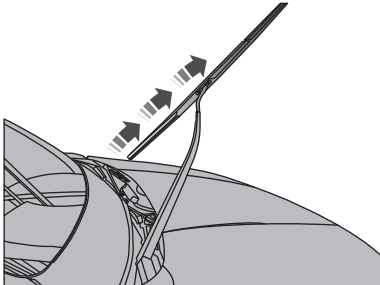
## Replacing Windshield Wiper Blades

When the wipers no longer clean well, the blades are probably worn or cracked. Replace them.

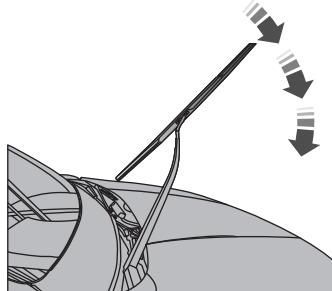
### CAUTION

*To prevent damage to the wiper arms and other components, don't move the wipers by hand.*

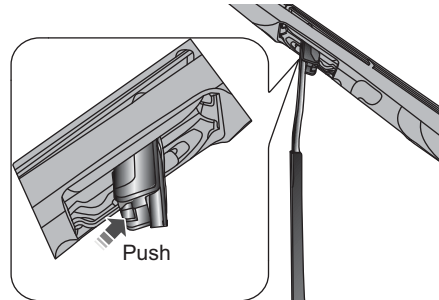
1. Raise the wiper arm



2. Turn the blade assembly to expose the plastic locking clip



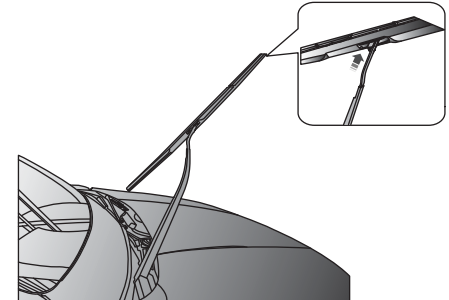
3. Compress the clip and slide the assembly downward to remove the arm



### CAUTION

*To prevent damage to the windshield, don't let the wiper arm fall on it.*

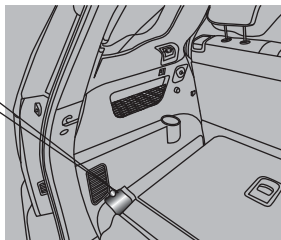
## Installation



1. Install the new blade assembly by inserting the lock part into the slot in the wiper arm until it clicks into place
2. Make sure the blade assembly is installed firmly by trying to pull it slightly

## Rear Windshield Washer and Wiper

### Rear Windshield Washer Liquid top up



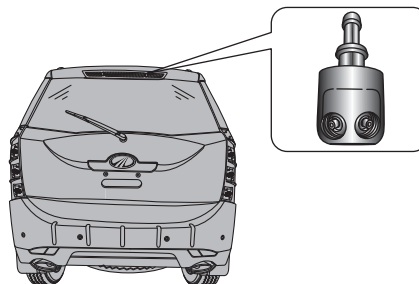
Rear windshield washer liquid tank is located near third row seat.

- Open the cover and top up rear windshield washer reservoir fluid as and when required

### NOTICE

*Clean water to be filled / top up to the maximum in the windshield washer reservoir.*

### Windshield Washer Jet Adjustment



The washer eye ball jets can be adjusted using a pin for correct spray direction on the windshield. Always direct the washer jet to hit the middle of the windshield. This will help in performing a complete wipe of the windshield.

### Checking the Wiper Blades

Lift the wiper arm from its position. Expose the blade lip for inspection. Clean the wiper blade lips with water applied in a soft sponge. If the blade has cuts, cracks or bulging, replace the same. Always use genuine spares for optimum and safe performance of the wipers.

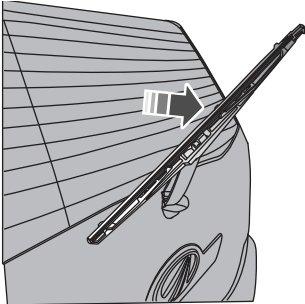
### Replacing Windshield Wiper Blades

When the wipers no longer clean well, the blades are probably worn or cracked. Replace them.

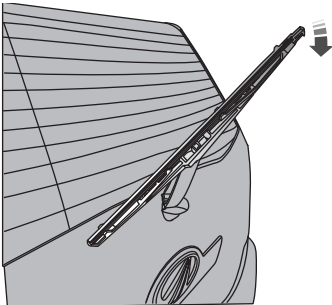
### CAUTION

*To prevent damage to the wiper arms and other components, don't move the wipers by hand.*

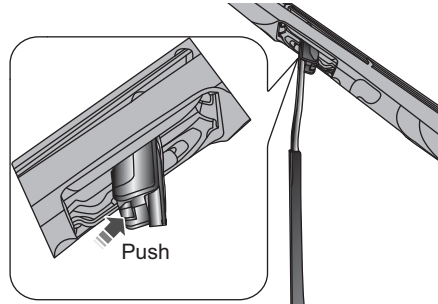
1. Raise the wiper arm



2. Turn the blade assembly



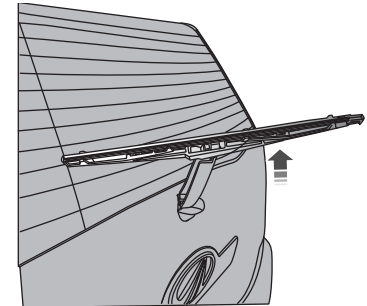
3. Pull the wiper blade from the wiper arm



## ⚠ CAUTION

*To prevent damage to the windshield, don't let the wiper arm fall on it.*

## Installation



1. Install the new blade assembly by inserting the center part into the slot in the wiper arm

## Vehicle Care and Cleaning

### Washing

- Letting dirt collect on the vehicle can cause scratches on the paint. Leaving bird droppings unwashed can cause permanent damage to the paint finish. However, you can preserve the vehicle's looks by washing it regularly.
- Wash the vehicle in shade and not in direct sunlight or in freezing temperatures. If the vehicle is exposed to the sun, move the vehicle into shade and let the exterior cool off before you start washing.

 **CAUTION**

***Avoid using chemical solvents and strong cleaners that can damage the paint and metal of the vehicle.***

### Washing Tips

- Rinse the vehicle thoroughly to remove loose dirt
- Make a solution of a detergent, made especially for vehicle washing, and cool water
- Use a soft bristle brush, sponge or soft cloth with the detergent solution to wash the vehicle
- Rinse frequently

Check the body for road tar, tree sap, etc. Remove these stains. Rinse it off immediately so that it does not harm the finish.

When the exterior is washed and rinsed, dry it with a soft towel or chamois. Letting it dry in the air will cause dulling and leave water spots on the surface.

As you dry the vehicle, inspect for chips and scratches that could start corrosion. Repair them with the recommended touch-up paint.

**Alloy Wheels:** Use only a mild soap or neutral detergent

**Plastic Bumpers:** Wash carefully. Do not scrub with abrasive cleaners

### NOTICE

***Mahindra is not responsible for scratches caused by automatic car washes or improper washing. Scratches are more noticeable on vehicles with darker paint finishes. Avoid washing your vehicle in an automatic car washer that uses high speed / hard brushes.***

## Care for Interiors

### Seat Belts

Check to see if dirt has accumulated in the loops (this usually results in the slowing down of the retraction mechanism).

Check for cuts and frayed spots in the belt material. Check to see if the locking and unlocking mechanism is smooth.

#### CAUTION

*If you encounter any faults, get them repaired only at an Authorised Mahindra Dealer. Get the damaged parts replaced immediately. It is essential to replace the entire assembly after it has got damaged in a severe impact even if damage to the assembly is not obvious.*

### Washing the Seat Belts

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged. Use a soft cloth with the solution to clean the seat belts. Use a soft-bristle brush with the same solution for places that are difficult to reach.

#### CAUTION

*Avoid using solvents, such as bleach, that tend to damage the belt material.*

### Windows

Windows need to be cleaned regularly and completely, both from the inside and the outside.

### Corrosion Protection

Typically, corrosion in vehicles is caused due to two principal factors:

- Collection of damp-dirt and road salt on the underside of the vehicle
- Loss of paint and protective coatings from the exterior and underside of the vehicle

Corrosion can be prevented through simple periodic maintenance:

- Repair chips and scratches in the paint as soon as you find them
- Check the floor covering for dampness. Carpeting and floor mats may remain damp for a long time especially in winter. Dry the areas immediately.
- Use a high pressure spray to clean the underside of the vehicle.

**NOTICE**

*Do not scrape or scratch the inside of the rear glass. You may damage the rear window defroster grid (if equipped)*

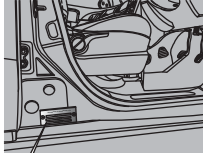
**Leather Upholstery Caring  
(if equipped)**

Leather should be treated from time to time in accordance with the instructions below, depending on the amount of use. Use a slightly moist cotton / woollen cloth for normal cleaning of leather. Severe dirt can be cleaned with a mild soap solution. The leather should never get wet at any point of time. No water should get through the stitches. Never try to use solvents, wax, shoe cream, stain remover or similar products to treat the leather. It is recommended that you contact an Authorised Mahindra Dealer for treating leather.

## Identification Numbers

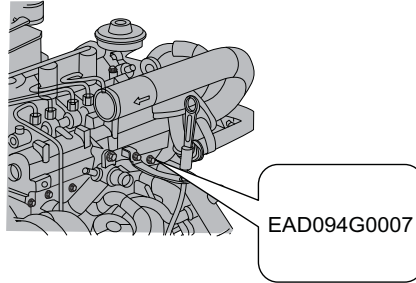
### Vehicle Identification Number (VIN) Location

Vehicle Identification Number is the legal identity of your vehicle. It is used in registering the ownership. It is located at the bottom of B pillar, near the driver's door.



### Engine Number Location

Engine number is located on the bottom of the intake manifold near the starter motor.





## Maintenance Schedule

Item	DISTANCE COVERED (KMS) / MONTHS WHICHEVER IS EARLIER										
	5000/3month	10000/6month	20000/9month	30000/12month	40000/15month	50000/18month	60000/21month	70000/24month	80000/27month	90000/30month	100000/33month
<b>Engine</b>											
Engine oil	R	I	R	I	R	I	R	I	R	I	R
Engine oil filter	R	-	R	-	R	-	R	-	R	-	R
Auto tensioner and belt	-	-	-	-	-	-	I	-	I	-	R
Coolant	I	I	I	I	I	I	I	I	R	I	I
<b>Air, Fuel and Exhaust</b>											
Air filter element	-	-	-	-	R	-	-	-	R	-	-
Fuel filter cartridge	-	-	R	-	R	-	R	-	R	-	R
Exhaust pipe mountings and damage/leakage	-	I	I	I	I	I	I	I	I	I	I
Water sediments drain - fuel filter (or when indicator illuminates)	I	I	I	I	I	I	I	I	I	I	I
<b>Note: Under extreme operating conditions replace air filter element every 20,000 kms</b>											

Item	DISTANCE COVERED (KMS) / MONTHS WHICHEVER IS EARLIER										
	5000/3month	10000/6month	20000/9month	30000/12month	40000/15month	50000/18month	60000/21month	70000/24month	80000/27month	90000/30month	100000/33month
<b>Transaxle</b>											
Transaxle oil	-	-	R	-	-	-	-	-	-	-	R
<b>IRDA and PTU</b>											
IRDA oil	R	-	-	-	-	R	-	-	-	-	R
PTU oil	R	-	-	-	-	R	-	-	-	-	R
<b>Brakes</b>											
Brake and clutch fluid - level check	-	-			R				R		
Parking brake		-		-		-		-		-	
Front and rear brake pads / calliper	-										

Item	DISTANCE COVERED (KMS) / MONTHS WHICHEVER IS EARLIER										
	5000/3month	10000/6month	20000/9month	30000/12month	40000/15month	50000/18month	60000/21month	70000/24month	80000/27month	90000/30month	100000/33month
<b>Suspension</b>											
Front suspension bolts torque		-		-		-		-		-	
Rear suspension bolts torque		-		-		-		-		-	
Suspension bushes	-	-	-	-		-	-	-		-	-
Suspension arms and links	-	-	-	-		-	-	-		-	-
<b>Steering</b>											
Power steering fluid - level check											
Wheel alignment	Inspect if abnormal condition					-	-	-		-	-
<b>Electrical</b>											
Battery electrolyte level and specific gravity	-										
All Lights, Horns, Wipers and Washers	-										
Head light aiming	-										

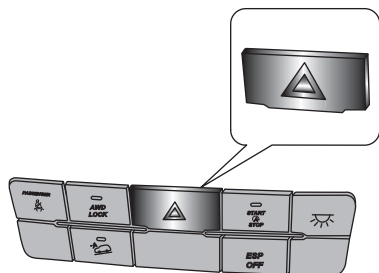
Item	DISTANCE COVERED (KMS) / MONTHS WHICHEVER IS EARLIER										
	5000/3month	10000/6month	20000/9month	30000/12month	40000/15month	50000/18month	60000/21month	70000/24month	80000/27month	90000/30month	100000/33month
<b>Heating/Air conditioning</b>											
Particle filter	-	C	C	C	C	C	C	C	C	C	C
<b>Final inspection</b>											
Tyre pressure	I	I	I	I	I	I	I	I	I	I	I
Under body, nuts and bolts for tightness	-	I	I	I	I	I	I	I	I	I	I
Road test	I	I	I	I	I	I	I	I	I	I	I
Tyre rotation	-	I	I	I	I	I	I	I	I	I	I
Service reminder indicator reset	I	I	I	I	I	I	I	I	I	I	I

**I - INSPECT and CORRECT, R - REPLACE, C - CLEAN**

IN CASE OF EMERGENCY

5

## In case of Emergency Hazard Warning Indicator



The hazard warning indicator switch is located on the central bezel switch bank. Press the switch to turn ON the hazard warning indicators. When the hazard warning indicator switch is activated, all directional turn signals will flash to warn oncoming traffic. This is an emergency warning system and should be used only when there is an emergency. Use it when your vehicle is disabled and is creating a safety hazard for other motorists. Hazard warning indicator will work in all positions of the ignition key and even when the vehicle is fully locked.

## NOTICE

*With extended use, the Hazard Warning indicator may drain your vehicle battery.*

### If the Vehicle does not Start

Before making these checks, make sure you have followed the correct starting procedure and that you have sufficient fuel.

If the engine is not cranking or is cranking too slowly / intermittently:

1. Be sure the shift lever is in N (neutral position) and apply the hand brake
2. Check the battery condition and terminals. If any loose connection is found, tighten it and clean.
3. Check battery charge condition. Refer “**General Maintenance Section**”.
4. In case of discharged battery, do not push or pull the vehicle to start it. Follow the Jump Starting instructions given later in this section.

### If the vehicle Overheats

When the engine temperature bar graph starts blinking in red it means the coolant temperature is high and the engine also may get overheated.

Upon the engine getting overheated, the Engine Management System reduces engine torque substantially and even may turn OFF the engine; It is dangerous to continue driving when the engine has overheated. You need to first cool the engine down before starting to drive again.

Follow the below instructions to cool the engine down:

- Progressively reduce the vehicle speed and bring the vehicle to a stop at the side of the road
- Turn ON the hazard warning indicators
- Engage the parking brake
- Turn OFF the AC
- Wait till engine coolant temperature drops sufficiently such that the engine temperature bar graph moves into the blue zone.

## IN CASE OF EMERGENCY

Now turn OFF the engine and carefully open the bonnet to visibly inspect the engine cooling system parts. Be cautious while inspecting as vehicle parts will still be very hot. Verify that the engine coolant level in degassing tank is maintained between 'MIN' and 'Max' mark. Check for possible fluid leakages. Check for damages to heat exchangers and connecting hoses. Also verify that the radiator shrouds, engine fan blades and engine belt all are in good condition.

If any evidence of failure is observed, contact nearest Authorised Mahindra Dealer for help.

### **WARNING**

***Stay clear of hot and rotating vehicle parts while visually inspecting the vehicle. Hot coolant under high pressure remains inside the cooling system. Not taking precautions may lead to serious injury to your skin / eyes.***

### **NOTICE**

***For optimum performance of the cooling system you must maintain the required coolant level between MAX and MIN and use only recommended engine coolant.***

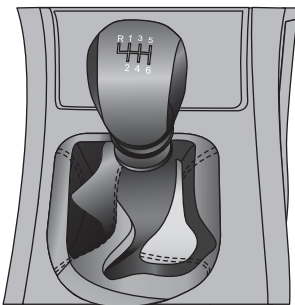
## Engine is Cranking, Vehicle not Starting

### CAUTION

*Do not operate the starter for more than 15 seconds at a time. If the engine does not start, turn the key OFF and wait for 10 seconds before cranking again, otherwise the starter could be damaged.*

Make sure that the engine check lamp is not illuminated in the instrument cluster, if the light illuminates follow the below said instruction.

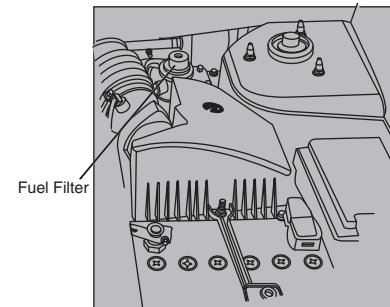
1. Be sure the shift lever is in N (neutral position) and apply the hand brake



2. Set the ignition switch to OFF position
3. Check fuel level
4. Check the water in fuel indicator illumination. If it illuminates drain the water from the fuel filter, **Refer to the procedure of draining water from fuel filter**. Check the "check engine lamp". If the indicator turns OFF start the vehicle. Otherwise contact an Authorised Mahindra Dealer.
5. Check the glow plug light illumination ON the instrument cluster. If it does not illuminate check the glow plug fuse or if it is continuously illuminating contact an Authorised Mahindra Dealer.
6. If the engine still does not start, contact an Authorised Mahindra Dealer.

## Draining Water from the Fuel Filter

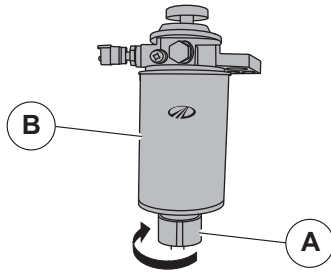
Fuel filter is located on the left side of the engine compartment.



If the "Water in Fuel" warning appears in the cluster, the water from the fuel filter must be removed immediately.

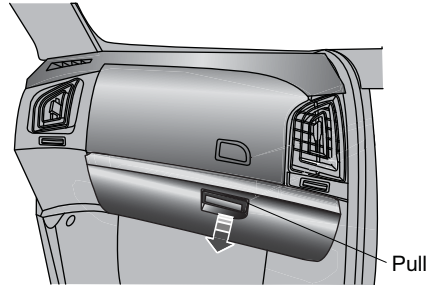


For draining water from the fuel filter, partially unscrew the water level sensor (A) provided at the bottom of the fuel filter (B). Let the water drain into a small container or tray. Tighten the water level sensor back firmly after draining the water.



## First aid Kit Location

First aid kit is located in the lower glove box.



## Emergency Starting

Jump starting can be dangerous if done incorrectly, so follow the procedure carefully, to avoid harm to yourself or damage to the vehicle battery. Carefully follow the jump starting procedures. If you feel unsure about jump starting, contact an Authorised Mahindra Dealer.

### WARNING

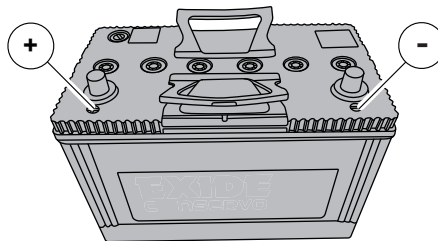
- **A battery can explode if you do not follow the correct procedure, causing serious injury to anyone nearby.**
- **Keep all flames or sparks away from the battery. The battery produces hydrogen gas which may explode if exposed to flame or sparks.**

### CAUTION

**Use only a 12 volt battery jumper system. You can damage the starting motor, ignition system, and other electrical parts, using a 24 volt battery jumper system.**

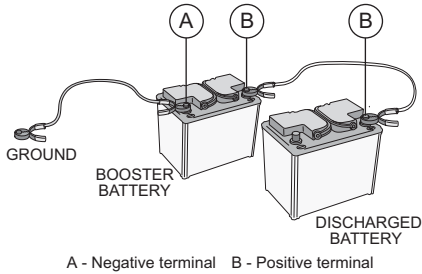
## Jump Starting

Follow below steps while jump starting the vehicle:



1. Use only a 12V supply to start your vehicle.

2. If the booster battery is in another vehicle, position the two vehicles to bring their batteries near each other. Do not allow the two vehicles to touch each other.
3. Apply the parking brake. Turn OFF all electrical systems which are not primarily required.
4. Attach the clamps of the jumper cable as shown on the illustration. First, attach one clamp of the jumper cable to the positive terminal (B) of the discharged battery. Then attach the other end of the same cable to the positive terminal (B) of the booster battery. Next, using the other cable, attach one clamp to the negative terminal (A) of the booster battery. Then attach the other end of that cable to a solid metal part of the engine (eg. engine lift bracket). Do not connect the cable to any moving part.



## NOTICE

**Always use jump start cables with crocodile clips for connecting the terminals / grounding.**

5. Start the engine of the booster battery and let it run for a few minutes. This will help assure that the booster battery is fully charged. During the jumping operation, run the engine in this vehicle at about 2,000 rpm.
6. Start the engine of the discharged battery using the normal starting procedure

7. Carefully remove the jumper cables in the reverse order of attachment.

## WARNING

- **Improper jump starting procedure can result in battery explosion and acid burn hazard**
- **Connecting a jumper cable near moving parts (cooling fans, belts) is dangerous. The cable could get caught when the engine starts and cause serious injury**

## CAUTION

**Loosely connected battery cables could damage the electronic control units.**

### For Best Battery Service

- Keep the battery securely mounted
- Keep the battery top clean and dry
- Keep the terminals and connections clean, tight, and coated with petroleum jelly or terminal grease

- Rinse any spilled electrolyte from the battery immediately with a solution of water and baking soda
- If the vehicle is not going to be used for an extended time, disconnect the battery cables

### Once battery is reconnected, following needs to be reset

- Clock
- AM, FM channels
- Audio adjustments (Bass, Treble, Balance, etc.)

If volume is too high it will automatically come to normal level. “Refer Infotainment system manual for adjustment of above”

## CAUTION

- **To disconnect battery terminals wait for at least two minutes to allow discharge of high voltage or it could lead to personal injury**
- **Always disconnect negative terminal first and connect negative terminal last**

## Wheel Changing

If your vehicle tyre gets punctured, reduce the vehicle speed gradually, keeping a straight line. Move cautiously off the road to a safe place well away from the traffic. Park on a level spot with firm ground. Stop the engine and turn ON your hazard warning indicators.

Firmly apply the parking brake. Ensure everyone comes out of the vehicle on the side away from the traffic.

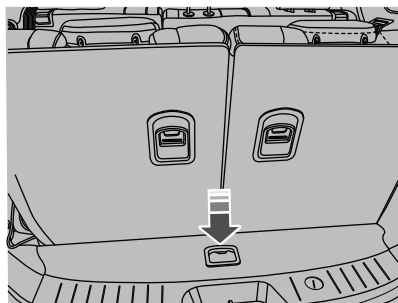
### **WARNING**

**Never stop your vehicle in a traffic lane to change a tyre. You could be hit by an oncoming vehicle. Keep driving until you reach a safe location.**

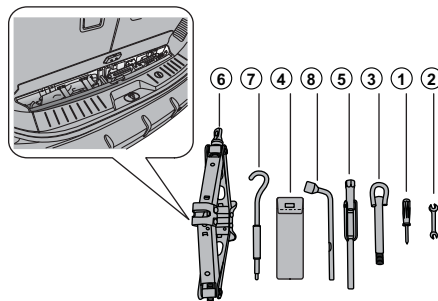
## Tool Kit Location

The tool kit is located behind the third row seat near the tail gate

1. Open the tailgate. Lift the strap to locate the tools.



2. Remove tools from storage area.

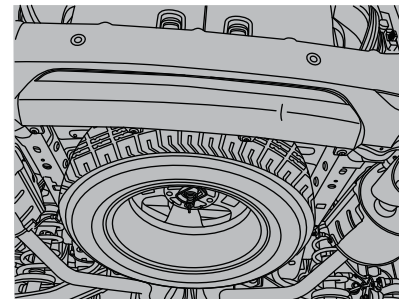


1. Screw Driver
2. D E O spanner 10mm x 12mm
3. TOW bar
4. PVC tool bag
5. Winch access tool

6. Assembly screw jack
7. Jack operating lever
8. Wheel spanner

## Spare Wheel Removal

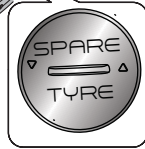
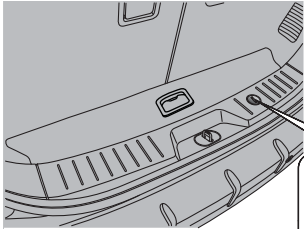
Spare wheel is located below the cargo area. It is placed firmly in place by the winch and cable mechanism.



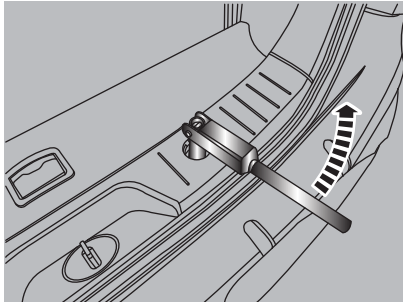
### **NOTICE**

**Always remove the spare wheel before jacking up the vehicle.**

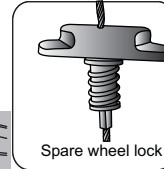
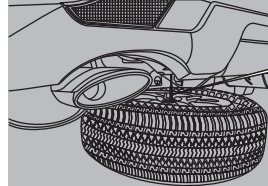
1. Open the tailgate
2. Lift the carpet covering
3. Remove the rubber plug



4. Install winch access tool in the spare wheel lock nut and turn in an anti clockwise direction (the wheel lowers with each turn) till the wheel reaches the ground.



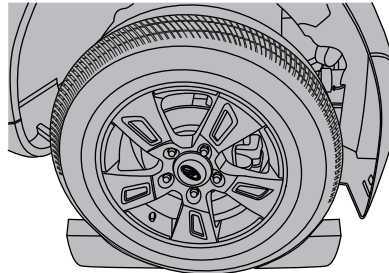
5. Remove the spare wheel from the lock.



Spare wheel lock

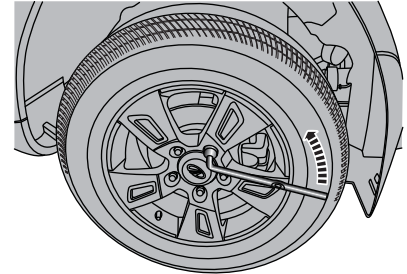
## Block the Wheel

Block the wheel that is diagonally opposite from the wheel to be removed.



## Wheel Nuts Loosening

The wheel nuts should be loosened slightly before raising the vehicle. To loosen the nuts, turn the wheel spanner anti clockwise. When doing this, be sure that the spanner is seated completely over the nut so it cannot slip off. Do not remove the nuts at this time. Just loosen them about one-half turn.



## Jacking Precautions

### CAUTION

*When jacking, be sure to observe the following to reduce the possibility of personal injury:*

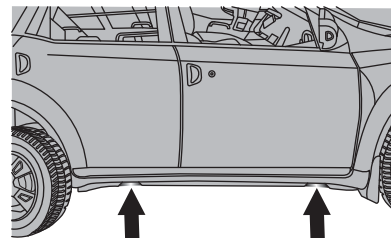
- Follow jacking instructions
- Do not start or run the engine while your vehicle is supported by the jack
- Stop the vehicle on a level firm ground and firmly apply the parking brake. Block the wheel diagonally opposite to the one being changed.

### CAUTION

*Make sure to set the jack properly in the jacking point. Raising the vehicle with jack improperly positioned will damage the under-body of the vehicle or may allow the vehicle to fall off the jack and cause personal injury.*

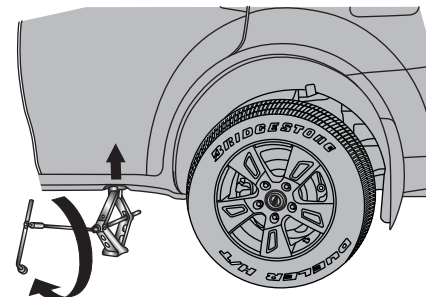
- Never get under the vehicle when the vehicle is supported by the jack alone
- Use the jack only for lifting your vehicle during wheel changing
- Do not raise the jack with someone in the vehicle
- When raising the vehicle, do not place any objects on top of or underneath the jack
- Raise the vehicle only high enough to remove and change the wheel

## Jacking Points



## Jacking up the vehicle

Position the jack at the correct jacking point as shown. Make sure the jack is positioned on a level and solid place.



# IN CASE OF EMERGENCY

To raise the vehicle, insert the jack operating lever into the jack and turn it clockwise with the handle. As the jack touches the vehicle and begins to lift, check that it is properly positioned.

Raise the vehicle high enough so that the fully inflated spare tyre can be installed. To do this, you will need more ground clearance than is required to remove the flat tyre.

## WARNING

**Never get under the vehicle when the vehicle is supported by the jack alone.**

## Removing the Wheel

Remove the wheel nuts and slide the wheel off the studs and lay it flat so it cannot roll away.

## WARNING

- ***Before putting on the wheels, remove any corrosion on the mounting surfaces with a wire brush or such. Installation of wheels without good metal to metal contact at the mounting surface can cause wheel nuts to loosen and eventually cause a wheel to come off while driving.***
- ***Never use oil or grease on the bolts or nuts. Doing so may lead to over tightening the nuts, wheel nut wrench slip, damage the bolts and may also cause personal injuries. Also, nuts may loosen and the wheels may fall off, which could cause a serious accident. If there is oil or grease on any bolt or nut, clean before installing wheel nuts.***

## Reinstalling the Wheel

- To reinstall the wheel, hold it on the studs, put the wheel nuts on the studs and tighten them finger tight. Adjust the tyre to be sure it is completely seated, then tighten the nuts as much as possible with your fingers again.
- Lower the vehicle and tighten nuts
- Lower the vehicle to the ground by turning the jack operating lever in an anti-clockwise direction and tighten the wheel nuts. Be sure the wheel spanner is seated completely over the nut. Do not stand on the wheel spanner or use an extension pipe. Go around the wheel, tightening every other nut until they are all tight. Then double check each nut for tightness.

**⚠ WARNING**

- *Rust or dirt can cause the wheel to become loose over time, causing the wheel to come off the vehicle and resulting in an accident, personal injury or death.*
- *Never install used rims on your vehicle. You cannot know how many kilometers are on it, if it has damage which is not visible to the naked eye, or if it is close to the end of its useful life. The used rims can fail unexpectedly, resulting in an accident, personal injury or death. Use only new Mahindra replacement rims. Always tighten the nuts in a criss-cross sequence. Never use oil or grease on your wheel studs or nuts. The nuts will come loose and the wheel could fall off, resulting in an accident, personal injury, or death. Never over tighten the nuts on the wheel stud. You could damage the stud or the nut. Always use a torque wrench.*

**⚠ WARNING**

- *If any of the wheel studs or nuts are damaged, contact the nearest Authorised Mahindra Dealer. Also, a loose wheel could have damaged or elongated holes in the rim, or damaged rim / hub assembly. Please take your vehicle to an Authorised Mahindra Dealer for inspection.*

**⚠ CAUTION**

*Improperly or loosely tightened wheel nuts are dangerous. The wheel could wobble or come off. This could result in loss of vehicle control and cause a serious accident. Always make sure all the wheel nuts are properly / securely tightened to the specified torque.*

**⚠ WARNING**

*When lowering the vehicle, make sure all portions of your body and all other persons around will not be injured as the vehicle is lowered to the ground. Have the wheel nuts tightened with torque wrench as soon as possible after changing the wheels.*

**NOTICE**

*Inflate replaced tyre to correct pressure as per specifications.*

**Restore Tool Kit**

After wheel changing, always secure tools jack and replaced wheel in their correct storage position.



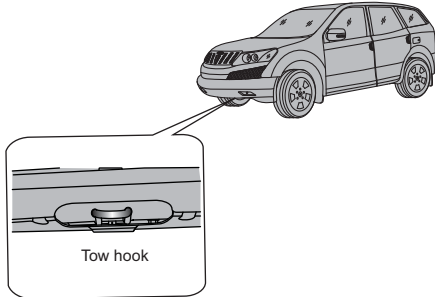
## Towing the Vehicle

### Front and Rear Tow Hook

Your vehicle comes with two towing eyelets. The front tow hook should be used when the vehicle needs towing, and the rear tow hook should be used when your vehicle is utilised for towing other vehicles.

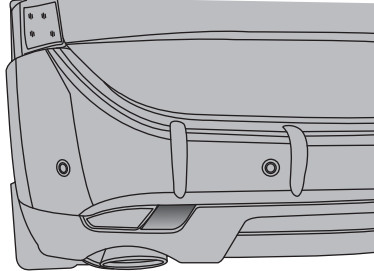
### Front Tow Hook

Front tow hook is welded to front cradle assembly

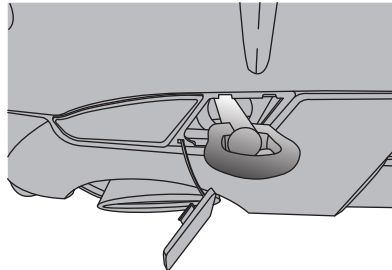


### Rear Tow Hook

1. Remove the tow cover using a small screw driver



2. Rotate in anti-clockwise direction to tighten the tow hook



## Towing Equipment

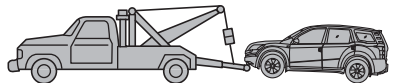
### Towing Equipments are of three Types

**Flat-bed equipment:** Your vehicle is loaded on the back of a truck. This is the safest and best way of towing.



**Wheel-lift equipment:** The tow truck uses two pivoting arms that go under the tyres (front or rear) and lift them off the ground. The other two tyres remain on the ground.

**Sling-type equipment:** The tow truck uses metal cables with hooks on both ends. These hooks go around parts of the frame or suspension and lift the end of the vehicle off the ground. This is not a good method of towing as it may damage the vehicle's suspension and body. Avoid tow with sling type equipment.



If your vehicle cannot be transported by flat-bed equipment, it should be towed by wheel-lift equipment with the front wheels off the ground.

## NOTICE

***Improper towing procedure will damage the transmission. Follow the towing instructions precisely.***

## CAUTION

***AWD vehicles:***

***While towing on two wheels, propeller shaft needs to be disconnected in order to protect the coupling. Propeller shaft need not be disconnected while towing on all four wheels.***

## NOTICE

- ***Your vehicle is designed to be used primarily for carrying passenger and luggage.***
- ***Remember, towing a trailer will place additional load on the engine, drivetrain, steering, braking and other systems of your vehicle. Also towing a trailer may greatly affect your vehicle's handling and suspension characteristics. Your vehicle cannot be driven normally with a trailer attached.***

## Towing your vehicle

If your vehicle needs to be towed, call a professional towing service.

## Towing your vehicle during emergency

If a towing service is unavailable in an emergency, your vehicle may be temporarily towed by a cable or chain secured to the towing eyelet under the front bumper, welded with the front cross member.

Use only the eyelet for towing in an emergency. Otherwise the vehicle may get damaged.

## CAUTION

- A driver must be present in the vehicle being towed to steer and operate the brakes. Towing in this manner must be done only on hard surfaced roads for short distances and at low speeds. Also, the wheels, axles, drive train, steering and brakes must all be in good condition.
- Avoid sudden starts or erratic driving manoeuvres, which would place excessive stress on the towing eyelet and towing cable or chain, and result in breaking of the eyelet or the chain.
- If the engine is not running, the power assist for the steering and brakes will not work and it will be much harder than usual.

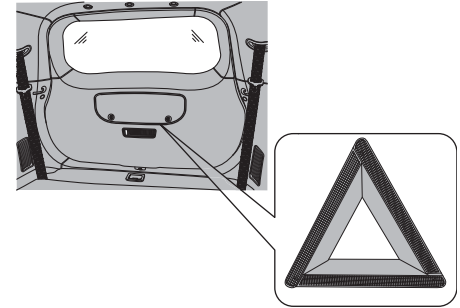
## NOTICE

- Use only a cable or chain specifically intended for use in towing vehicles. Securely fasten the cable or chain to the towing eyelets provided.
- Do not tow with sling type truck, either from the front or rear. Doing so may cause body damage.

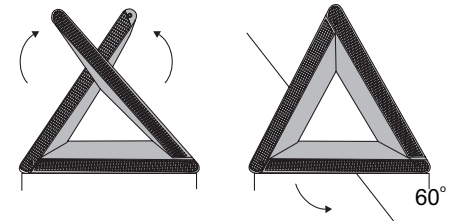
## Warning Triangle

Use the warning triangle in an emergency. It is located inside the tailgate compartment.

Unclip the warning triangle cover clips and remove the warning triangle from the location as shown in the image below.

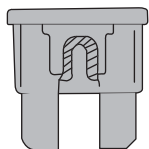


Arrange the warning triangle as shown in the image below.

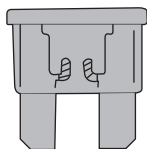


## Fuses

A fuse is the most common electric protection device. A fuse is placed in an electrical circuit, so that when current flow exceeds the rating of the fuse it blows off. The element in the fuse melts, opening the circuit and preventing other components of the circuit from being damaged by the over current. The size of the metal fuse element determines the rating. Once a fuse blows off, it must be replaced with a new one.



GOOD

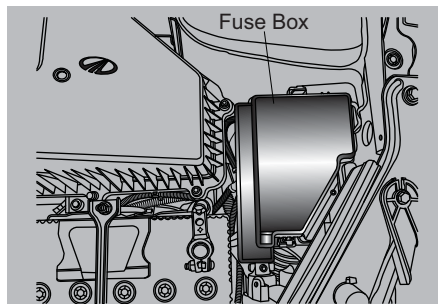


BLOWN

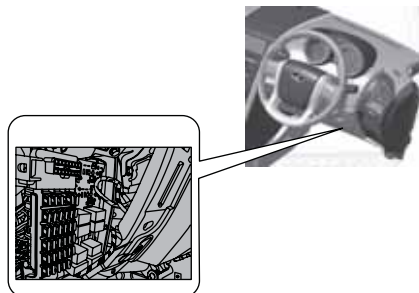
## Fuse Box Location

Fuse boxes are located in two different places.

1. Engine compartment fuse box



2. Instrument panel fuse box



## Fuse Types

Two different type of fuses are used in the vehicle.

1. Mini fuse
2. Maxi fuse

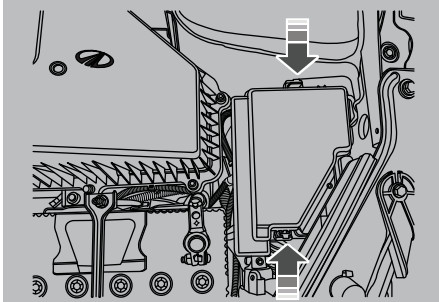
## Spare Fuse

There are spare fuses provided in the fuse box. In case any fuse has blown, you can use the spare fuse.

### CAUTION

*While replacing the blown fuse by spare fuse, ensure that the ampere ratings of both are same.*

## Fuse Box Cover Removal



Remove the fuse box cover by pressing the clips from both sides as shown in the illustration.

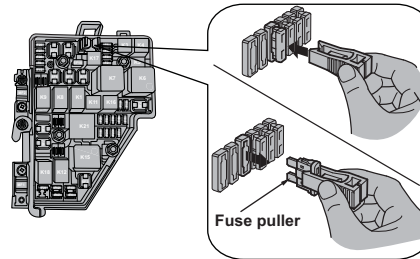
## Fuse Replacement

1. When replacing the fuse be sure to replace it with one of the specified capacity. If a fuse again fails after it has been replaced, contact an Authorised Mahindra Dealer.

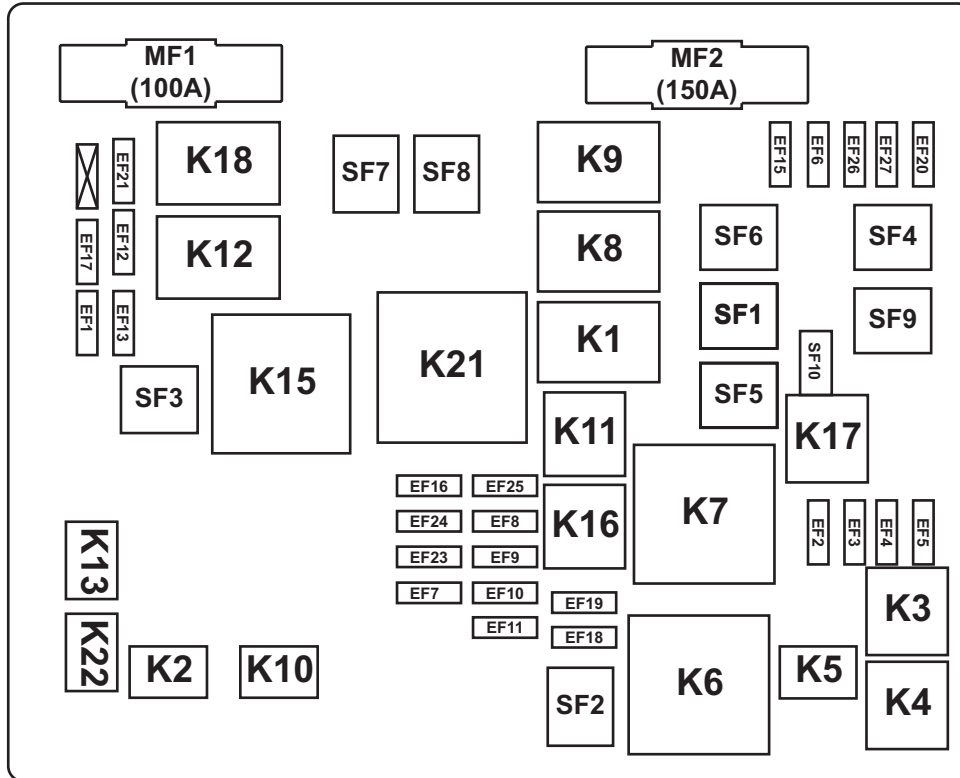
### CAUTION

***When replacing the fuse ensure ignition is turned OFF***

2. When replacing a blown fuse, use the fuse puller located in the fuse block.



**Engine Compartment Fuse Chart**



## Engine Compartment Mini Fuse Description

Fuse No	Fuse Rating	Color	Circuit
EF1	15A	Blue	High Beam
EF2	10A	Red	Low Beam LH
EF3	10A	Red	Low Beam RH
EF4	10A	Red	AC Clutch
EF5	20A	Yellow	Static Bending
EF6	25A	Brown	Front Wiper
EF7	15A	Blue	Sensor
EF8	30A	Green	Hose HTR
EF9	10A	Red	ECU
EF10	20A	Yellow	ECU
EF11	10A	Red	IGN 87
EF12	30A	Green	Spare 2
EF13	15A	Blue	Front Washer
EF15	10A	Red	ABS/ESP3
EF16	5A	Brown	ECU/IGN

Fuse No	Fuse Rating	Color	Circuit
EF17	15A	Blue	Horn
EF18	15A	Blue	Spare 1
EF19	20A	Yellow	Spare 3
EF20	15A	Blue	Front Fog Lamp
EF21	20A	Yellow	Spare 5
EF23	30A	Green	Spare 8
EF24	30A	Green	Spare 9
EF25	30A	Green	Spare 10
EF26	30A	Green	Spare 11
EF27	30A	Blue	Spare 12

## J Style Fuse Description

Fuse No	Fuse Rating	Circuit
SF1	30A	Start/IGN SW2
SF2	40A	Cooling Fan
SF3	60A	Glow Plug
SF4	40A	ABS /ESP 1
SF5	50A	Cooling Fan 2
SF6	50A	IP B+2
SF7	60A	Spare 7
SF8	60A	IP B+1
SF9	30A	IGN SW 1
SF10	25A	ABS /ESP 1

## Engine Compartment Relay Description

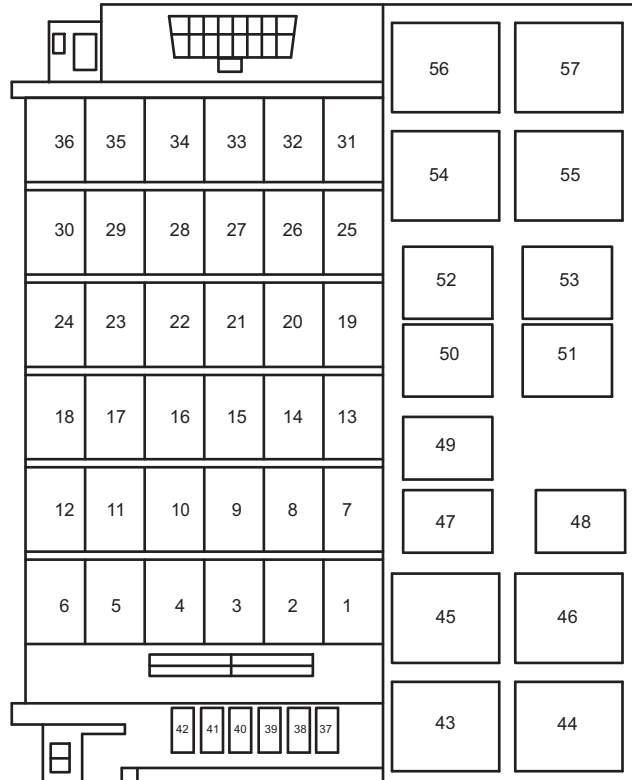
Relay No	Color	Circuit
K1	Gray	Start
K3	Black	Low Beam
K4	Black	Horn
K6	Gray	Cooling Fan High
K7	Gray	Cooling Fan Low
K8	Black	Front Wiper On
K9	Black	Front Wiper Speed
K11	Black	Spare1
K12	Gray	Spare2
K15	Gray	Glow Plug
K16	Black	Spare 3
K17	Black	Spare4
K18	Gray	Spare5
K21	Gray	Main

## PCB Relays Description

Relay No	Color
K2	DRL
K5	Static Bending
K10	Horn
K13	Front Washer
K22	High Beam



## Instrument Panel Fuse Chart



## Instrument Panel Fuse Description

Fuse No	Fuse Rating	Color	Circuit
1	5A	Brown	ECPS
2	15A	Blue	ECU
3	5A	Brown	Cluster/ITM
4	15A	Blue	Audio ACC
5	5A	Brown	Vanity lamp
6	5A	Brown	MBFM Start
7	20A	Yellow	MBFM BATT3
8	25 A	Black	MBFM FL - Window
9	10A	Red	Mirror Folding
10	10A	Red	Rear Wiper ACC
11	5A	Brown	Key In
12	5A	Brown	Accessory
13	30A	Green	Front Blower
14	20A	Yellow	Rear Blower
15	20A	Yellow	Rear Defogger

Fuse No	Fuse Rating	Color	Circuit
16	15A	Blue	Power Socket Rear
17	15A	Blue	Power Socket MID
18	15A	Blue	Power Socket Front
19	15A	Blue	Rear Wiper
20	15A	Blue	Rear Washer
21	5A	Brown	Rear Fog lamp
22	10A	Red	HVAC ACC
23	5A	Brown	ACC Blower
24	5A	Brown	HVAC IGN
25	5A	Brown	Rain Light Sensor
26	5A	Brown	Roof / Map Lamp
27	15A	Blue	Memory-Cluster / HVAC
28	25A	Black	MBFM FR Window

Fuse No	Fuse Rating	Color	Circuit
29	25A	Black	MBFM RR Window
30	25A	Black	MBFM RL Window
31	25A	Black	MBFM Battery 1
32	30A	Green	MBFM Battery 2
33	15A	Blue	Audio / BATT
34	15A	Blue	Airbag
35	15A	Blue	Reverse lamp
36	15A	Blue	Audio (Infotainment) / IGN
37	5A	Brown	Spare
38	10A	Red	Spare
39	15A	Blue	Spare
40	20A	Yellow	Spare
41	25A	Black	Spare
42	30A	Green	Spare

## Instrument Panel Relay Description

No	Relay Rating	Color	Circuit
43	40A	Black	Rear Defogger Relay
44			Not used
45	50A	Gray	Accessory Relay
46	40A	Black	Front Blower Relay
47	20A	Blue	Rear Blower Relay
48	20A	Blue	Rear Fog Lamp
49			Not used
50	20A	Gray	Mirror Unfold Relay
51	20A	Blue	Rear Wiper Relay
52	20A	Gray	Mirror Fold Relay
53	20A	Gray	Rear Washer
54			Not used
55			Not used
56			Not used
57			Not used

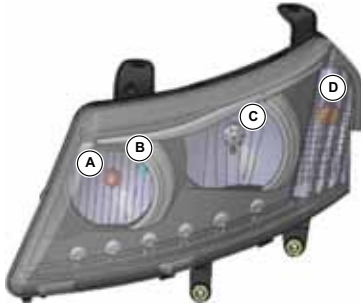
## Bulb Replacement

### Bulb Specification

Bulb Description	Bulb Type	Volts, Power	Qty / Veh
Front High Beam	H15 - 15 / 55W	12V, 55W	2
Front Low Beam	H7 55W	12V, 55W	2
Front Position / Parking Lamp (if equipped)	W 5W	12V, 5W	2
Front Turn Indicator Lamp	P 21W	12V, 21W	2
Front Static Bending Lamp	H1 55W	12V, 55W	2
Front Fog Lamp	H8 35W	12V, 35W	2
Stop Lamp	P 21W	12V, 21W	2
Rear Turn Indicator Lamp	PY 21W	12V, 21W	2
Reverse Lamp	P 21W	12V, 21W	2
Rear Position / Parking Lamp	W 5W	12V, 5W	6
Rear Side Marker Lamp	W 5W	12V, 5W	2
Rear Fog Lamp	PR 21W	12V, 21W	2

## Headlamp Bulb Replacement

Non Projectile Headlamp (If equipped)



- A. High beam bulb
- B. Position / Parking bulb
- C. Low beam bulb
- D. Turn indicator bulb

Projectile Headlamp (If equipped)

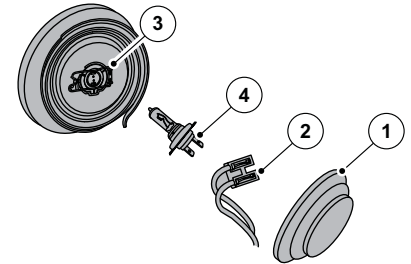


- A. High beam bulb
- B. Static bending bulb
- C. Low beam bulb
- D. Turn indicator bulb

### ⚠ CAUTION

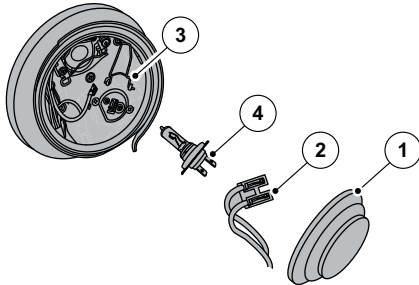
- **Be sure to replace the burned-out bulb with one of the same wattage rating. Otherwise, it may cause damage to the fuse or electric wiring system.**
- **Let the bulb cool down before removing.**

High Beam Bulb Replacement



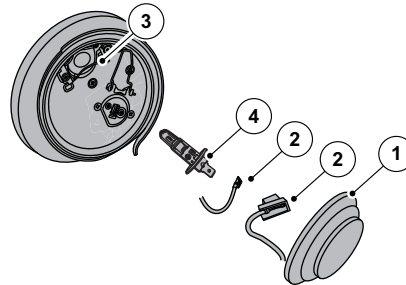
1. Pull off the sealing cover
2. Disconnect electrical connector
3. Unhook the bulb retaining spring
4. Carefully remove the headlight high beam bulb from the socket by pulling it straight back

## Low Beam Bulb Replacement



1. Pull off the sealing cover
2. Disconnect the electrical connector
3. Unhook the bulb retaining spring
4. Carefully remove the headlight low beam bulb from the socket by pulling it straight back

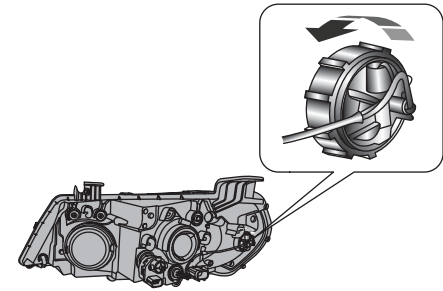
## Position Lamp / Bending Lamp Bulb Replacement



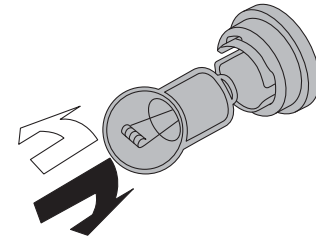
1. Pull off the sealing cover
2. Disconnect electrical connector
3. Unhook the bulb retaining spring
4. Carefully remove the position lamp bulb from the socket by pulling it straight back

## Turn Lamp Bulb Replacement

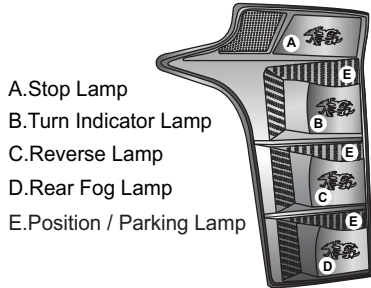
1. To remove the turn indicator bulb holder, turn it in anti-clockwise direction



2. Slightly push and remove the bulb from holder

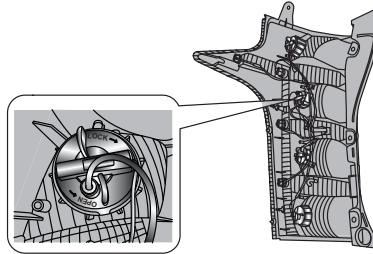


## Tail Lamp Bulb Replacement



## Turn Indicator Bulb Replacement

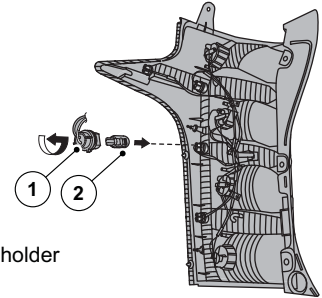
1. Keep the ignition switch in OFF position
2. Carefully remove the tail lamp assembly from vehicle
3. Disconnect the electrical connector from the Tail lamp assembly
4. Rotate the indicator bulb holder in anti-clockwise direction and remove the bulb from the holder



5. Follow the same procedure for the other bulbs also, except the rear position / parking lamp.

## Rear Position / Parking Lamp Replacement

1. Keep ignition switch in OFF position.
2. Carefully remove the tail lamp assembly from vehicle
3. Disconnect the electrical connector from the tail lamp assembly
4. Rotate the bulb in anti-clockwise direction and pull the bulb holder from the tail lamp assembly



5. Pull the bulb (2) from the holder (1)
6. Follow the same procedure for the other position / parking lamp bulbs also.

TECHNICAL DATA

6



## Recommended lubricants and filling capacities

SYSTEM	LUBRICANT NAME	FILLING QUANTITY, LITRES	SPECIFICATION	REMARKS
Engine	MAHINDRA "MAXMILE CROWN"	6.0 lit	Exceeds - APICH-4; SAE 15W-40	For other than Maximile brand, oil change interval has to be reduced to 10000 km if the oil meets minimum of API CH-4 SAE 15W-40 specification
Engine oil filter	Mahindra "Maximile Universe"	-	Recommend to use only the genuine filter for better engine protection and lubricant life.	
Engine Cooling	MAHINDRA "MAXIMILE ULTRACOOOL" (READY TO USE COOLANT. NO NEED TO MIX WATER)	8.0 lit	Brand specific. Don't use other coolants / water for top up. In case of emergency, coolant meeting JIS K2234 specification should be used (30% concentration diluted with distilled water) and coolant change period to be reduced as 30,000 km	
Transaxle	MAHINDRA "MAXIMILE SYNTEC 75W-90"	3.0 lit	Special Manual Transmission Fluid	As alternate, Castrol Syntrans 75W-90 can be used. Avoid mixing of these two different brands. No other brand recommended

SYSTEM	LUBRICANT NAME	FILLING QUANTITY, LITRES	SPECIFICATION	REMARKS
IRDA (Only for AWD models)	MAHINDRA "MAXIMILE DO 80W-90 EXL"	1.2 lit	SPECIAL AXLE FLUID	For other than Maximile brand, oil change interval has to be reduced to 20000 km if the oil meets minimum of API GL5 SAE 80W-90 specification
PTU (Only for AWD models)	MAHINDRA "MAXIMILE DO 80W-90 EXL"	0.8 lit.	SPECIAL AXLE FLUID	For other than Maximile brand, oil change interval has to be reduced to 20000 km if the oil meets minimum of API GL5 SAE 80W-90 specification
Power steering	SHELL Make "SPIRAX S3 ATF MD3" / CALTEX Make "TEXAMATIC 1888"	0.7 lit for FWD 0.9 lit for AWD	DEXRON III	Brand specific and no other brands recommended
Brake and Clutch	CASTROL "Brake Fluid DOT 4" or SHELL MAKE "BRAKE & CLUTCH FLUID DOT 4"	1.0 lit	Brake fluid meeting SAE J1703 FMVSS No.116 DOT 4 or IS 8654 Type-2 Specification	

SYSTEM	LUBRICANT NAME	FILLING QUANTITY, LITRES	SPECIFICATION	REMARKS
Recommended Fuel	High Speed Diesel confirming to IS 1460; 2010 specification or equivalent	70 ± 2 lit		-

## Technical specifications

<b>Engine</b>			
Model	mHawk BSIII / BSIV		
Type	Compression ignition		
Displacement	2179 cc		
Compression ratio	16.5:1		
Max. Engine output, Kw @ rpm	103 Kw @ 3750 rpm		
Max. Torque, Nm @rpm	330Nm @ 1600 ~ 2800rpm		
<b>Transaxle</b>			
Type	6 speed synchromesh		
No of gears	6 forward, 1 reverse		
<b>Gear ratio</b>	<b>Transaxle ratio</b>	<b>Final drive ratio</b>	<b>Overall ratio</b>
First	4.15	4.05	16.823
Second	2.14	4.05	8.679
Third	1.24	4.05	5.035
Fourth	0.94	4.05	3.842
Fifth	1.02	3.115	3.2
Sixth	0.87	3.115	2.716
Reverse	4.96	3.115	15.457

Transfer case ratios	PTU ratio 3.27:1
<b>Steering</b>	
Type / Description	Hydraulic
Steering wheel diameter, mm	380
Ratio	15.9: 1
<b>Brakes</b>	
Service brake type	Hydraulic circuit, assisted with vacuum booster
Auto slack adjuster fitted	Yes
ABS fitted	Optional
Front (Disc / Drum)	Disc
Rear (Disc / Drum)	Disc
Parking brake	Acting on rear wheels, integral park brake
<b>Wheels and tyres</b>	
Make	BRIDGESTONE & JK
Wheel rim size	7J X 17 Regular (Alloy & Steel)
Tyre size designation including ply rating	Tyre Size:P235/65R17
Tyre Type	Radial - Tubeless
Laden Tyre pressure (front and rear), kg/cm <sup>2</sup>	Front: 2.2 kg/cm <sup>2</sup> Rear: 2.0 kg/cm <sup>2</sup>
<b>Electrical system</b>	
System voltage, V	12V
Battery rating, Ah	90Ah

# TECHNICAL DATA

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<b>Fuel tank</b>	
Capacity, liters	70 ± 2
<b>Seating</b>	
Seating capacity	7



## Vehicle Dimensions

Description	Measurement (mm)
Wheel base	2700
Overall width	Front fender - 1890
Overall length	4585
Overall height	1785
Front track	1600
Rear track	1600
Min. ground clearance	200
Over hang front	925
Over hang rear	960



## Vehicle weights

<b>Vehicle kerb weight (kg)</b> : 1785±15 for FWD and 1860±15 for AWD
---

<b>Gross vehicle weight (kg)</b> : 2450
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