



MORRIS GARAGES

Since 1924

Quick Start Guide








HECTOR

HECTOR PLUS







INDEX - DRIVING TIPS, FEATURES AND FUNCTIONS







VEHICLE OPERATION

	1 - FUEL EFFICIENCY	
	2 - GEAR SHIFTING IN MANUAL TRANSMISSION	
	3 - STEERING WHEEL	
	4 - STEERING ASSIST LIGHTING FUNCTION	
	5 - TAILGATE OPERATION	05
	6 - AUTOMATIC HEADLAMP AND WINDSHIELD WIPING	07
	7 - EXTERIOR LIGHT FOGGING	12





COMFORT & CONVENIENCE

	8 - AIR CONDITIONING SYSTEM	09
	9 - INFOTAINMENT SYSTEM	15
	10 - WIRELESS CHARGING	16
	11 - VENTILATED SEAT	19













SAFETY





	12 - BRAKE OPERATION	18
	13 - ELECTRONIC PARKING BRAKES	19
	14 - AUTOMATIC VEHICLE HOLD (AVH)	20
	15 - HILL-START HOLD CONTROL SYSTEM (HHC)	22
	16 - SEAT BELT	23
	17 - HEAD RESTRAINT	24

WARNINGS & PRECAUTIONS

	18 - DIESEL EXHAUST FLUID	25
	19 - DIESEL PARTICULATE FILTER (DPF)	27
	20 - VEHICLE OVERSPEED WARNING	28
	21 - WATER WADING DRIVING	29

ADAS

	22 - FEATURE LIST AND MODULE DETAILS	
	23 - LANE DEPARTURE WARNING (LDW)	
	24 - LANE KEEP ASSIST (LKA)	
	25 - INTELLIGENT HEADLAMP CONTROL (IHC)	
	26 - FRONT COLLISION WARNING (FCW)	
	27 - SAFE DISTANCE WARNING (SDW)	
	28 - AUTOMATIC EMERGENCY BRAKING (AEB)	
	29 - INTELLIGENT HYDRAULIC BRAKING ASSISTANCE (IHBA)	
	30 - PEDESTRIAN IDENTIFICATION	
	31 - ADAPTIVE CRUISE CONTROL (ACC)	
	32 - BEND CRUISE ASSISTANCE (BCA)	
	33 - TRAFFIC JAM ASSIST (TJA)	

	30
	31
	33
	35
	36
	38

I - FUEL EFFICIENCY - DRIVING TIPS

Most people want to improve fuel economy of their vehicle. You can follow the tips provided here to reduce your vehicle's fuel cost during your commute to work or a lovely road trip and in the process care about our environment.

The actual mileage varies from driver to driver and in various driving conditions including actual road conditions, traffic and route, frequency of gear use, brakes, air conditioner, etc.

Here are some Dos & Don'ts to help increase your vehicle's fuel efficiency.



- ✓ Follow the service schedule provided in Owner's Manual
- ✓ Maintain the right tyre pressure
- ✓ Shift the gear as per the instrument cluster indication (if equipped) or else, shift to the optimum gear without the engine knocking
- ✓ Be gentle with accelerator and brake pedals
- ✓ Plan your route beforehand to avoid traffic congestions.
- ✓ Keep the windows rolled up to achieve better aerodynamics
- ✓ Keep engine RPM between 1600-2000 while upshifting
- ✓ Shift to the highest possible gear without the engine knocking
- ✓ For vehicles equipped with CVT Transmission, use ECO mode to provide the best fuel consumption and lowest emission
- ✓ Use Coasting* technique whenever possible



- ✗ Over speeding
- ✗ Carrying unnecessary weight
- ✗ Extended idling, turn-off the engine if idle time is more than 30 seconds. e.g. at traffic signal
- ✗ Rash and rough driving
- ✗ Violent and sudden braking
- ✗ Sudden acceleration and deceleration
- ✗ Frequent change of gear [For MT]
- ✗ Improper gear selection [For MT]
- ✗ Clutch over-riding [For MT]

Tyre Inflation Pressure(Cold State)

Tyre Model	Project	Tyre Inflation Pressure(unit: Psi)
215/60R17	Front/Rear Tyre	34
215/55R18	Front/Rear Tyre	35

*Coasting means letting the car move by its own inertia. For safety, let clutch remain engaged.
MT - Manual Transmission

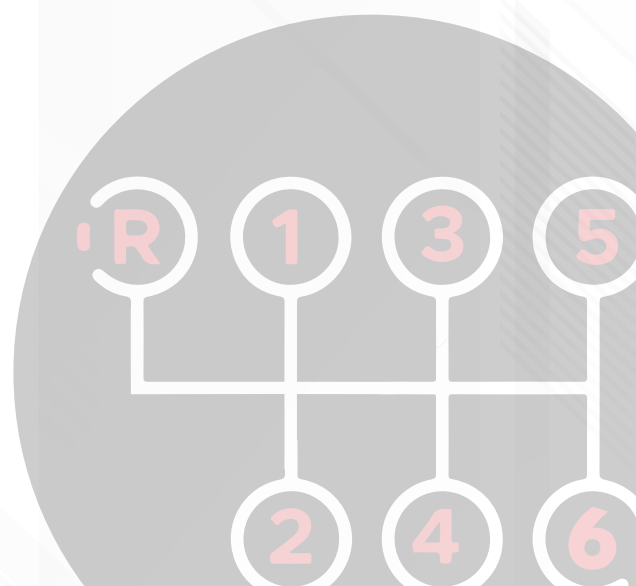
2 - GEAR SHIFTING IN MANUAL TRANSMISSION



- ✓ While shifting gears, press the clutch pedal fully.
- ✓ While waiting at a traffic signal, parking brake should be engaged instead of engaging gear and keeping the clutch pedal pressed
- ✓ Start slowing down the vehicle well in advance when moving slowly/stopping at red signal. Shift into neutral gear to avoid clutch slippage.
- ✓ Shift into 1st gear while driving below speed of 15 KMPH or crossing over speed breakers



- ✗ Starting-off directly in 2nd/3rd gear. It can result in excessive friction and reduce the life of the clutch.
- ✗ Using accelerator if partial declutching is required in crowded area up to speed of 15 KMPH (1st Gear) or 15-25 KMPH (2nd Gear)
- ✗ Clutch riding leads to clutch slippage/wear. Rest your foot on the side footrest once gear is shifted.
- ✗ Pressing the clutch for quick acceleration as it leads to clutch slippage/wear
- ✗ Using partial clutch for prolonged duration while in heavy traffic conditions. This can lead to experience of unusual smell leading to premature/early failure of clutch.



During cold weather, you may experience increased effort in shifting until the transmission fluid warms up, this is normal.

3 - STEERING WHEEL

This vehicle is equipped with Steering wheel adjustment for height and reach*. Adjust the steering wheel position to adapt to your driving posture through the following steps:

The seat height should be so set that the driver can see all directions and the positions of all display instruments.

As is shown in the figure, push the steering wheel adjustment lever downward first.

Adjust the steering wheel to the desired position and then pull back the adjustment lever to lock the steering wheel.

Check and confirm that the steering wheel has been locked firmly.

Do not adjust the steering wheel position during driving. This is extremely dangerous.







Steering wheel

*Some variants may have reach & height adjustment feature and some are only with height adjustment.

4 - STEERING ASSIST LIGHTING FUNCTION*





To make your driving experience seamless, comfortable and safe, your vehicle is equipped with steering assist lighting function. It is activated when turning into a road. Depending on the steering angle, the fog lights will turn ON to improve road visibility.

While steering, the two front fog lamp will illuminate to provide auxiliary lighting if certain conditions are satisfied. These conditions are:

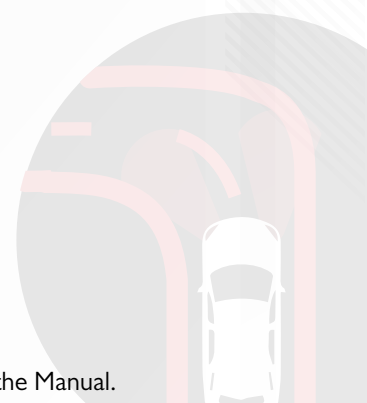
-  The engine is running.
-  The vehicle speed is < 35 KMPH.
-  The low beam lamp is turned ON.
-  The steering wheel angle is >60° or the turn signal lamp switch is turned on.

As the front fog lamp illuminates, the front fog lamp indicator on the instrument panel also illuminates.

The Steering Assist Lighting Function deactivates, and the front fog lamps turn OFF after a while under any of the following condition:

-  The steering wheel angle is < 30° or the turn signal lamp switch is turned off.
-  The ignition switch is turned to a position other than ON.
-  The vehicle speed is > 40 KMPH.
-  The low beam lamp is turned OFF.

*" indicates that the equipment mentioned is optional and your vehicle may not have such equipment. Please refer to the actual vehicle for vehicle configuration. MG Motor India Pvt. Ltd. reserves the copyright of the Manual.



5 - TAILGATE OPERATION

The tailgate release switch is placed above the license plate. When the tailgate is to be opened, firstly, unlock the door, then press the switch to unlock the tailgate and open the tailgate.

According to the vehicle configuration, for the vehicles equipped with PEPS (Passive entry passive start), you can directly carry the remote key to approach the tailgate and press the switch to open the tailgate when the vehicle is locked.

Tailgate Opening with Remote Key

1 Press the remote tailgate opening key for about 3 second to unlock the tailgate when the engine is shut down.

2 To lock the tailgate, you need to close it and then lock it.

Electric Tailgate*

1 Before opening the tailgate, make sure that the vehicle stops

2 The gear is in parking mode and the handbrake is pulled to avoid any damage.



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For AT model, you can operate the tailgate in Gear 'P'

- 1 To close tailgate, press the tailgate closing switch. The tailgate automatically closes after two prompt tones.
- 2 You can also close the tailgate by pulling it with your hand.
- 3 When a certain speed is reached, the tailgate will enter the electric closing mode and it will close automatically.

Setting of Tailgate opening height

- 1 Adjust the opening height manually after the tailgate is open. Press tailgate closing switch for 3 second after adjustment and hear a prompt tone. The subsequent tailgate opens to this height.
- 2 You can also adjust your tailgate from infotainment screen using Settings > Vehicle Setting > Tailgate open position. Select the desired opening height settings according to your requirement.



Note: Once you set the tailgate to desired opening height, vehicle will memorise it. To re-adjust the tailgate opening height, follow the above instructions.

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6 - AUTOMATIC HEADLAMP / WINDSHIELD WIPING*

Your vehicle is fitted with light and rain sensors and operates headlamp and wipers automatically.

The location of sensor is on the front windshield. It provides sensing signals for bad/good lighting & amount of water vapour/rainfall on the surface of the glass.

Clean the glass on time so that the stains, snow and ice does not affect the sensor's performance.

Automatic Headlamp ON/OFF

When the ignition switch is in ON position, turn the combination switch lever to AUTO position. This activates automatic headlamp ON/OFF function. The system's light sensor recognizes the environmental light conditions.



Automatic Wiper ON/OFF

When the ignition switch is in ON position, turn the windshield wiper/washer control lever to AUTO Position. The intermittent and automatic wiping speed is adjustable. To select the desired speed, just turn the circular knob in the middle of the control lever.



Do not start the wiper when the windshield surface is dry. Flush with water thoroughly.

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7 - EXTERIOR LIGHT FOGGING

Due to certain weather conditions like low temperature and high humidity, water mist can collect inside the lamp. This is a normal condition.

Turn on the lamp, and the water mist will dissipate after a while. If it is resulted from the weather, repair is not necessary.

If the water mist does not dissipate after the lamp is turned ON and there is more water vapor, please contact the MG Authorized Service Center for inspection.



Exterior Light Fogging

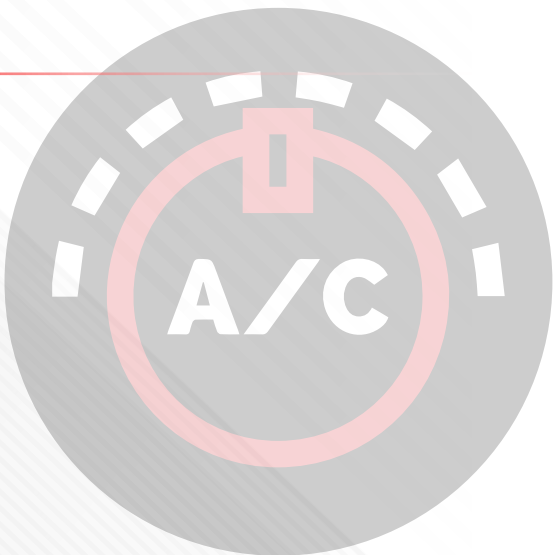


8 - AIR CONDITIONING SYSTEM

FASTER AC COOLING



AC Controls



Internal Circulation

Recirculation mode can be used when outside conditions such as smoke, odors, dust, or high humidity are present. The internal circulation icon displays in white, and the interior air is circulated internally.



External Circulation

External circulation mode can be used when discomfort is felt, or windows are fogging up. Press this key to switch to the external circulation mode. The external circulation icon displays in white, and the air is circulated externally.

Console Air Outlet

If equipped, the air outlets are located on the back of the armrest between the two front seats. They divert the air to the rear passenger area.





Rear Fan Control Switch*

The switch is located at the left rear cup holder for the Hector Plus. Press the air conditioner switch to turn the A/C ON/OFF. Press the arrow button to raise or lower the air volume of the rear air outlet.

Rear Air Outlet*

There are two rear air outlets for the Hector Plus. Air flow from the AC vents can be directed as per your needs.



AIR DISTRIBUTION MODE

One of the following five positions can be selected in the air distribution mode according to the required airflow direction, comfort and weather conditions.

Face-Foot Mode Key

In this mode, the air flows in two directions. Half of the air flows out from the floor air outlet and the front seat lower air outlet; the remaining air flows out from the central air outlet, side air outlet and console air outlet*.



Face Mode Key

In this mode, the air flows out from the central air outlet, the side air outlet and the console air outlet*.

When Fan speed turns to maximum, expect minor blower noise from the AC blower. This is a normal working condition as blower tries to push out maximum air quantity for faster cooling.

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Foot Mode Key

Most of the air flows out from the floor air outlet and the front seat lower air outlet; little amount of air flows out from the windshield and front door window defroster air outlet and the side air outlet.



SYMBOL REQ

SYMBOL REQ

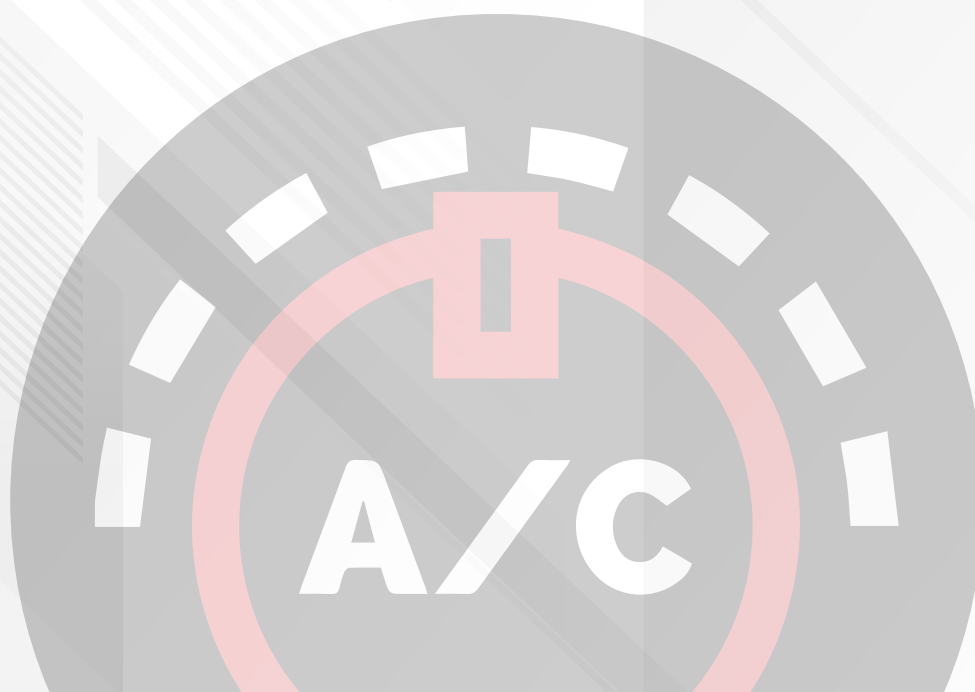


Foot/Defrosting Mode Key

In this mode, air flows out from the front windshield defroster air outlet, the front door window defroster air outlet, the floor air outlet, the front seat lower air outlet and the side air outlet.

Front Defrosting mode Key

Press the front windshield defroster button to select the mode. This will ascend air volume to a range 6 automatically. If the air volume is already higher than 6, it will remain at same speed. The air circulation mode switches to external circulation. Press the button again to restore to the state before defrosting.



Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required.

Use the following tips to increase the performance of HVAC (Air conditioning) system, to cool down fast on scorching hot days or if the vehicle is parked under the blazing sun for a long time:

1

Open the door windows to expel the hot air inside.

2

Turn on the air conditioning (HVAC) system.

3

Switch the air distribution mode to Face Mode.

4

Activate the external circulation mode.

5

Adjust the temperature to the maximum cooling (low).

6

Adjust the fan speed to maximum.

7

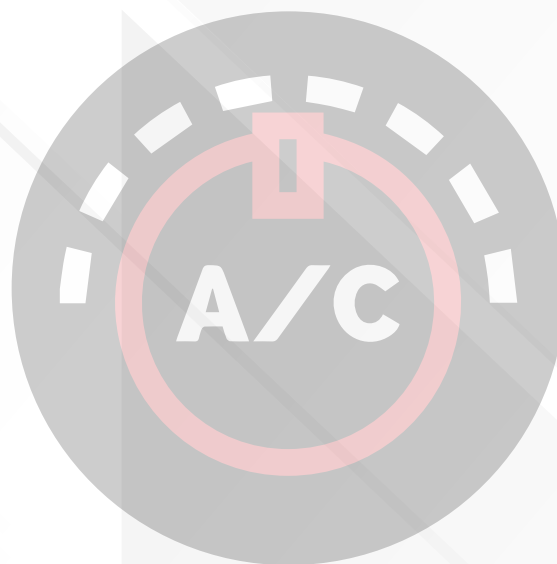
After couple of minutes, close the windows and adjust the fan speed and temperature settings to desired value.

AUTOMATIC HEATING AND AIR CONDITIONING

The automatic climate control system is controlled by setting the desire temperature.



Infotainment System

**1**

Press the AUTO button

2

Set the temperature level as per comfort level

3

The modes, fan speeds, air circulation and air conditioning will be controlled automatically by temperature setting you select.

4

To turn off the Automatic climate control mode, just click on modes, fan speed or air circulation mode and it will automatically go to manual mode.

DEFOG THE WINDSHIELD

To defog the mist formed on the outside, follow these steps

Switch the A/C ON and set temperature to 'Max hot air'

1

Keep recirculation mode turned on.

2

Set blower speed to maximum.

3

Switch defrost mode on to allow air to flow onto the windshield.

4

Use the front wiper if necessary.

To defog the mist formed on the inside (due to the heater), follow these steps:

Switch the A/C ON and set temperature to 'cold air'

1

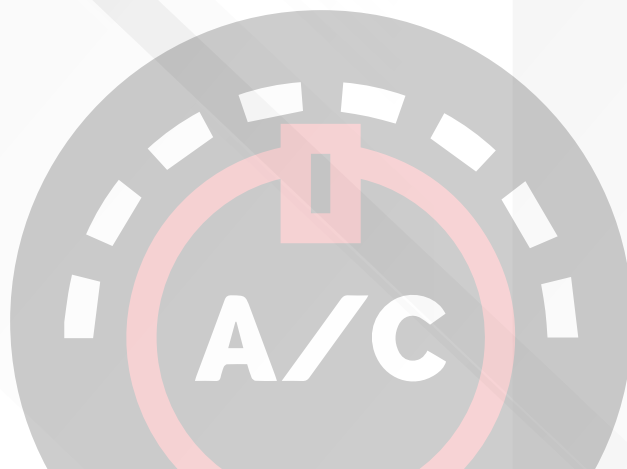
Keep recirculation mode turned OFF.

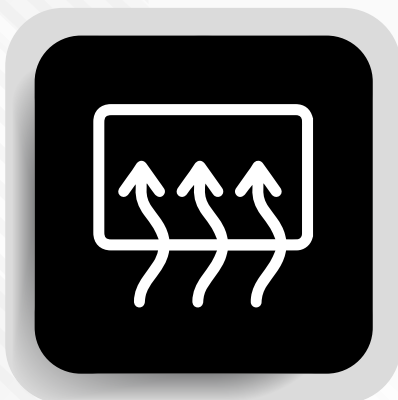
2

Set blower speed to maximum.

3

Switch defrost mode on to allow air to flow onto the windshield.





Rear Windshield Defroster

To defog the Rear windshield / Outside rear-view mirrors*

To turn ON the rear windshield defroster, press the rear windshield defroster button. The instrument on the button will illuminate. Turn OFF the defroster once the view becomes clear.

KEEPING CAR CABIN FRESH



- ✓ Use Re-circulation mode on HVAC wherever possible
- ✓ If car is parked for long time (1 week plus), turn ON the HVAC, roll down the windows, set temperature at max heat and select fresh air mode. Run this for 3-4 minutes to ensure fresh air inside the car.
- ✓ A small amount of water may remain in the air conditioner after usage, this may produce a peculiar smell. In such a case switch OFF the cooling function and run the blower for a while.
- ✓ Use MG recommended car air purifier



- ✗ Eating inside the car. If you do, roll down the windows slightly. In case of spillage, clean with recommended cleaning solution.
- ✗ Non-MG branded accessories, as they may emit bad odor inside the cabin.



Get your HVAC system checked as per the service schedule at MG authorised service station. If possible, park your vehicle under a covered parking.

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9 - INFOTAINMENT SYSTEM

The vehicle is equipped with an infotainment system that works with various file formats. Each file format has their own compression standard and hence there may be a difference in sound quality/clarity.

For example, music playing through the original USB cable may provide higher quality music output compared to the same music being played via a Bluetooth connection.

Based on the source/compression standard of the song, you may observe:



Infotainment System

While playing MP3 songs in MG Hector, the volume of the sound may tend to fluctuate.

If source is changed, e.g., USB to Bluetooth or FM Radio, it may increase/decrease the volume (inconsistent sound). This is a normal condition and just turn the volume knob to adjust this.

When music is playing with Gaana App, this may result in the sound to dissipate between songs. The reason could be, song compression, network strength, internet connectivity etc.



Sound System



10 - WIRELESS CHARGING

If vehicle is equipped with a mobile phone wireless charging system, then the system can charge a mobile phone through electromagnetic induction, without the need for a wired connection.

The mobile phone wireless charging system is not applicable for all mobile phones as different mobile manufacturers use different technology. Your car supports widely used Qi wireless charging technology which works with 'Qi' certified phones.

Here are some Dos & Don'ts to use wireless charger more efficiently.



- ✓ Make sure the vehicle's battery has enough charge.
- ✓ Use smart phones with case specially designed for wireless charging.
- ✓ Make sure the smart phones temperature is not too high.
- ✓ Check if the phone is in good condition in terms of charging



- ✗ Do not leave metal foreign objects such as coins, keys, chip cards, etc. in the charging area, which may cause the metal to get heated, resulting in failure to charge and lead to safety accidents.
- ✗ Rate of charge may vary from phone manufacture & charge acceptance depends upon the phone manufacture internal algorithm.
- ✗ Do not spill water on the charging area to avoid water entering the wireless charger through the gaps in the rubber pad and causing charger malfunction.
- ✗ A metal foreign object in the charging area may cause interference.



Wireless charging

Cell phone (receiver) controls the power transfer from the Wireless charger in the Car (Transmitter). So, Charging rate of the phone will vary based on type/brand of phone used.

II - Ventilated Seat*

To keep you cool during hot summers, your vehicle is equipped with Ventilated seats which draw the air from cabin compartment and pass the air through very fine perforations of seat cover using a fan. The fan has three speeds to choose from that allows for the best cooling as per your convenience.

As shown in the image, the control button for ventilation is on the side of console.



Ventilated seats with control button



Ventilated seats

- 1** Press the button to activate the ventilation function
- 2** 3 LED lights turn on to indicate maximum fan speed
- 3** Press the button again, 2 LED lights remain on and with medium fan speed
- 4** Press the button again, only 1 LED light is on for minimum fan speed
- 5** Press button again, the ventilation function will be turned off

Adjust the fan speed to get the appropriate ventilation performance for a comfortable driving experience



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I 2 - BRAKE OPERATION

Your vehicle has power assisted brakes.

The brake system is designed to provide braking performance under a wide range of driving conditions.

During braking, the vehicle speed is reduced through the braking friction and the friction between tyres and ground.

Small braking friction sounds, and friction sounds between tyres and ground are normal.

Occasional squeals are common during braking.

Squeals may be produced if the vehicle has been out of operation for a long time or if friction faces get rusted after raining.

If squeals are produced at a lower frequency which is normal. To avoid the pedal travel from being influenced, do not lay a thick carpet in the brake pedal area.

Brake system effectiveness reduces in heavy rain or muddy conditions. At this time, depress brake pedal intermittently to keep brake components dry. Repeat above operation often in heavy rains.

Overheated brake may reduce its brake efficiency and lead the vehicle pulling to one side.

Some brake dust collection on wheels is normal. To maintain the original appearance of the wheel, clean the wheel regularly.

I3 - ELECTRONIC PARKING BRAKE*

Your vehicle is equipped with an Electronic Parking brake (EPB) system which offers more convenient and useful features.

Please keep in the mind, primary intended use of parking brake is to stop the vehicle from rolling when it is in park condition. Make sure parking brake is applied before leaving the vehicle.

EPB Automatic Clamping Function

When vehicle in the motionless state and engine is turned off, the vehicle will automatically apply parking brake, and you do not have to pull up the EPB switch.

EPB Automatic Releasing Function

- Start the vehicle, engage gear (drive gear or reverse gear), with the driver's safety belt is tightened; depress the accelerator.
- After the vehicle start conditions are met, the parking brake will be released automatically.
- To smoothly start and avoid rolling backwards on an uphill road, release the accelerator pedal smoothly.



Electronic Parking brake



*Only in vehicle with CVT

I 4 - AUTOMATIC VEHICLE HOLD (AVH)

Vehicles provided with Electronic Parking Brake (EPB) has AVH function

AVH function is activated when driver presses brake pedal and the vehicle stops, or driver presses the brake pedal when vehicle is motionless and engine is idle.

Once brake pedal is released, hydraulic pressure in braking system will be maintained to hold vehicle in position. There is no need to draw back EPB to park.

Within 5 minutes, if driver presses accelerator and releases the clutch, the hydraulic pressure in the braking system will be released to move the vehicle

After 5 minutes, EPB will be automatically activated and park the vehicle



Automatic Vehicle Hold

Start and shutdown of AVH can be memorized. If AVH is in the ON/OFF state when the engine is shut off the last time, AVH remains in the corresponding state when the engine is switched on the next time.

Automatic Vehicle Hold (AVH) Switch*

Press the AVH switch and the background lamp on the switch illuminates to activate the AVH function. The parking brake will function, the brake system applies the braking force to park the vehicle.

AVH will only get activated if below conditions are met.



The vehicle is motionless and the engine is running.



The brake pedal is depressed to a certain degree.



The driver's seat belt is buckled and the driver's side door is closed.



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I5 - HILL-START HOLD CONTROL SYSTEM (HHC)*

HHC helps the vehicle to start easily on a slope without using the parking brake. HHC provides assistance by preventing the vehicle from rollback.

HHC operates after vehicle brake pedal is released and maintains the braking force for 1-2 seconds so that vehicle will not rollback

In these 2 seconds, if acceleration input is greater than vehicle uphill resistance, HHC gradually reduces braking force and vehicle runs smoothly

If acceleration input is lesser than vehicle uphill resistance, then HHC will reduce brake pressure and vehicle may rollback. Here, brake pedal needs to be pressed to stop vehicle.

HHC will function only when vehicle is stationary and brake pedal is depressed



Hill Start Hold Control System



The HHC function may fail to prevent the vehicle from sliding a slope on a very slippery or steep hillside. Only as one driver-assistance measure, the HHC function cannot supersede the parking brake function.

*Only in vehicle with CVT

16 - SEAT BELT

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

Fastening

Pull out the seat belt slowly, have it passed over the shoulder and then the front of the body, confirm that it is not twisted or tied, then push the locking tab into the buckle until a click is heard.

Height adjustment

Depending on the vehicle model, the front row seat belt can be adjusted in height. Press the height adjuster of the seat belt upper fixing point to move it upward or downward.



Releasing

Press the red button on the buckle, then the locking tab will pop out. Move the locking tab back manually, so that the automatic seat belt retractor can fully retract the seat belt smoothly.



I 7 - HEAD RESTRAINT

Head Restraints to reduce whiplash, thereby preventing reducing serious injuries to neck.

Head Restraint adjustment for safe operation:

The middle position of the headrest should be on the same horizontal line as the occupant's eyes.

For tall persons, if the above point cannot be met, the headrest should be adjusted to the highest position; for short persons, the headrest should be adjusted to the lowest position.

To adjust the headrest upward, pull the headrest upward to a proper position and fix it.

To adjust the headrest downward, press and hold the release switch and push the headrest downward to a proper position; then, release the release switch for fixation.



Correctly adjusted

The head restraint is at the correct height and close enough to the back of the head to help prevent injury.



Incorrectly adjusted

The head restraint is at the correct height but not close enough to the back of the head.



Incorrectly adjusted

The head restraint is at the wrong height and also not close enough to the back of the head.

18 - DIESEL EXHAUST FLUID (ONLY FOR BSVI DIESEL VEHICLE)

LOW DIESEL EMISSIONS ADDITIVE DIESEL EXHAUST FLUID (DEF) INDICATOR LIGHT/WARNING MESSAGE - IF EQUIPPED

Diesel Exhaust Fluid (DEF) also known as AdBlue®, is a non-toxic, colourless, odourless and non-flammable fluid solution of urea and deionized water, that is injected into the exhaust stream of diesel vehicles to turn NOx gases (harmful emissions) into nitrogen and water. This system is called a Selective Catalytic Reduction (SCR).

This warning light will illuminate along with a dedicated message on the display (if equipped) if an unknown fluid not conforming with acceptable characteristics is filled, or if an average consumption of DEF over 50% is detected.

The first low-level warning will be given at around 2,400 km range and is determined according to the current consumption rate.

The "DEF Low Level" warning light and message will display on the instrument panel. DEF low level warning light will remain ON until the DEF tank is topped up with at least 5 Liters of DEF.

About 200 kms before the DEF tank is empty, a continuous dedicated message will appear on the instrument panel, accompanied by a buzzer sound* (if equipped).

When the range is at 0 km, the display will show a dedicated message (if equipped). In this case, the engine will not start.

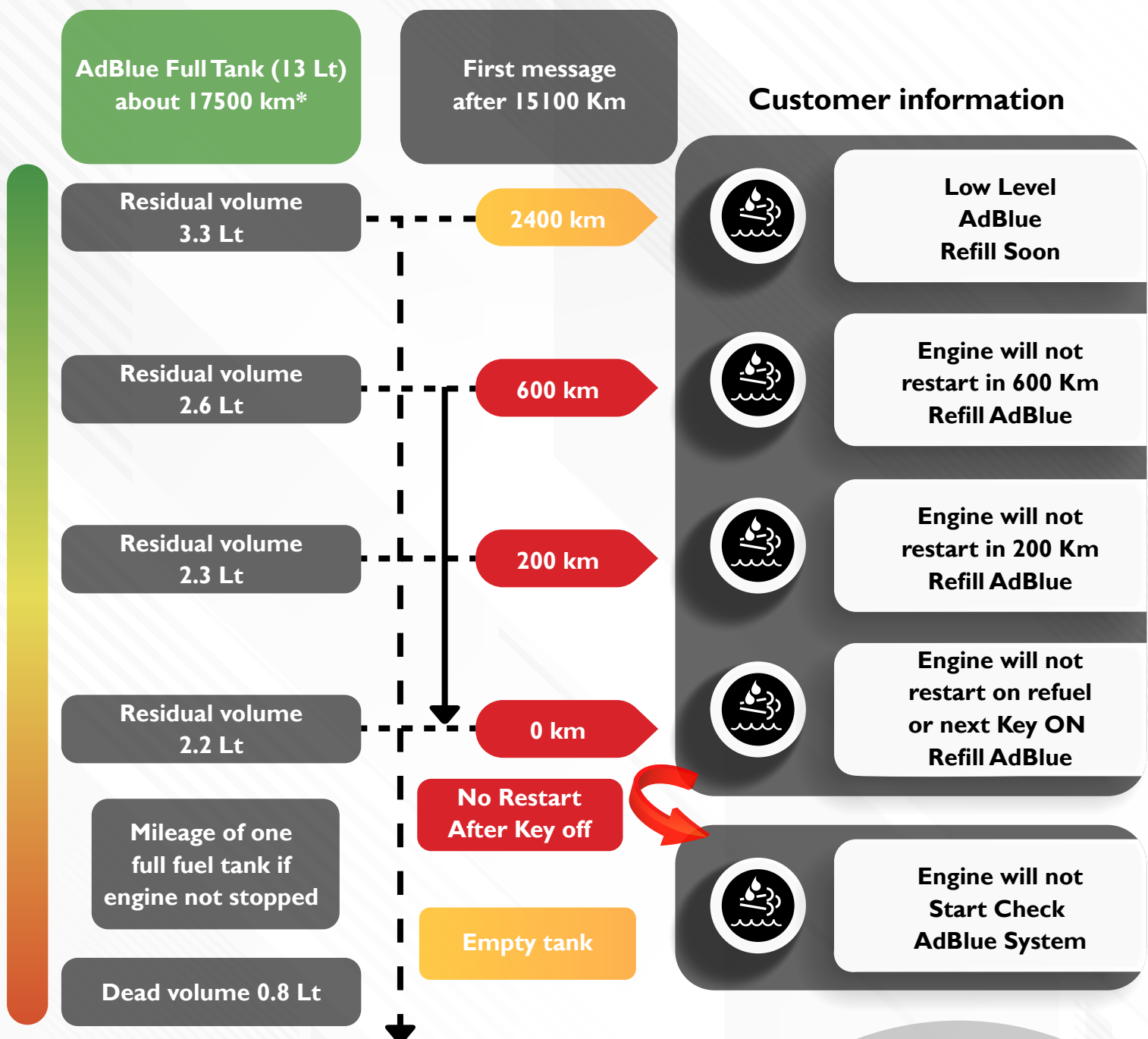
Engine will start as soon as DEF is added; the minimum amount required is 5 Liters. Fill the DEF tank as soon as possible with at least 5 Liters of DEF.



Diesel Exhaust Fluid Indicator

Once the engine is turned OFF, the DEF pump rotates (a noise can be heard, which is normal) in reverse direction for approx. 30 sec and in turn sucks the DEF back into the tank. This prevents DEF sedimentation in the DEF hose and injectors.

AUTONOMY OF ADBLUE CONSUMPTION



Remaining Mileage :
Autonomy based on average AdBlue consumption based on previous 2400 Km period of vehicle operation. Autonomy in the 200 Km from inducement based on odometer

*AdBlue consumption : Extraurban 0.7 Lt/1000 Km



I 9 - DIESEL PARTICULATE FILTER (ONLY FOR DIESEL VEHICLE)

Your vehicle is equipped with a state-of-the-art engine and exhaust system to meet emission standards. It is designed to trap and burn Particulate Matter (PM) pollutants, with no driver input or interaction.

The main function of DPF is to collect particles in vehicle exhaust, and to remove particles collected in DPF through active and triggered regeneration.

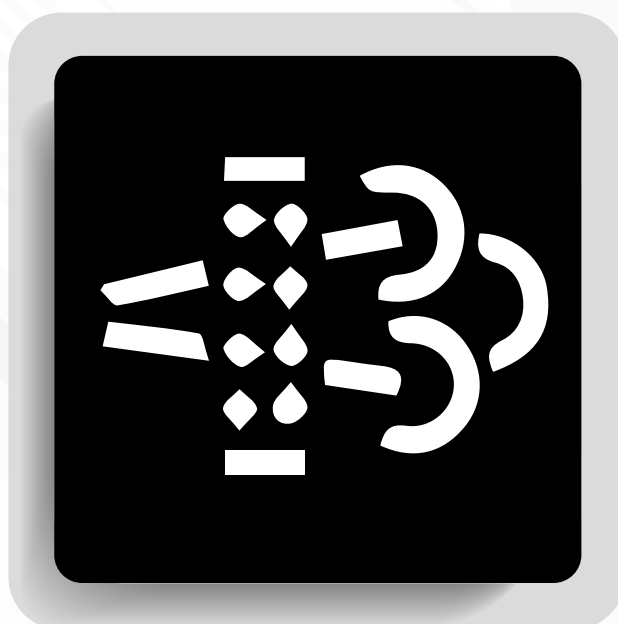
The indicator will illuminate when DPF is blocked partially/completely. It does not affect the operation of the vehicle, but if it is due to blockage of DPF, it may affect engine power performance.

Follow below steps for regeneration cycle:

If DPF warning light is ON, please drive vehicle at a constant speed of 70-80 kmph for a while until regeneration cycle completes and DPF warning light goes off.

On an average this process may last for 20-25 minutes.

If the indicator is still on after running at constant, please visit the nearest MG authorized service centre for rectification.



Diesel Particulate Filter Indicator

20 - VEHICLE OVERSPEED WARNING

Government of India mandated vehicle manufacturers to provide visual over speed warning systems with audible frequency in passenger vehicles.

If the vehicle speed is greater than 80 KMPH, the system will make an audible alarm sound and will display alarm icon.

If the vehicle speed is always more than 80 KMPH then every two minutes, the alarm will indicate over speeding. The "OK" button removes the icon from display.

Alarm will stop warning when the speed comes below 75 KMPH, then again over 80KMPH, it will warn for over speed.

If the vehicle speed is more than 120KMPH, the alarm will beep continuously, and icon will be continuously displayed. You can use the "OK" button to remove the icon.

Alarm will stop warning when the speed comes below 115 KMPH, then again over 120 KMPH, it will warn for over speeding.



21 - WATER WADING DRIVING

Your vehicle is very capable of passing a road with gathered water. However, in order to avoid damage to your vehicle please:

Confirm the water depth before the wading driving. The maximum wading depth of the vehicle is half the level of tyre.

The driving speed should not be greater than 10 km/h.

The wave caused by the vehicle in front of you and head-on vehicle may exceed the maximum allowed wading depth.

To avoid vehicle damage, please drive away from the road with puddles as quickly as possible.



22 - FEATURE LIST AND MODULE DETAILS*

The vehicle is equipped with 11 major features, which work on 3 level of sensitivity (low, medium and high) and 3 level of warning (audio, visual and haptic)

Function	Sub Function	Activation
LANE FUNCTIONS	Lane Departure Warning (LDW)	From Infotainment screen
	Lane Keep Assist (LKA) (Sub-function of TJA)	-
IHC	Intelligent Headlamp Control (IHC)	From Infotainment screen & Combi lever
FORWARD COLLISION	Forward Collision Warning (FCW)	From Infotainment screen
	Safe Distance Warning (SDW) (Sub Function of FCW)	-
	Automatic Emergency Braking System (AEB)	From Infotainment screen
	Intelligent Hydraulic Braking Assistance (IHBA)	-
	Automatic Emergency Braking System-Pedestrian (AEB-Pedestrian)	-
ACC through Button on Steering	Adaptive Cruise Control (ACC)	Button on Steering Wheel
	Bend Cruise Assistance (BCA) (Sub-function of ACC)	-
TJA	Traffic Jam Assist (TJA)	Button on Steering Wheel

1. ADAS is Advance Driver Assist System. Hector MCE is equipped with level - 2 ADAS system
2. ADAS system follows ISO 26262 for Quality Management
3. The purpose of the system is to improve the comfort of the driver, with a primary focus on highways
4. Other purpose of the system is to help driver in case of emergencies to minimize fatality
5. The system has been optimized for Indian road condition after conducting extensive endurance running across major hubs (along with BOSCH- IND and IDIADA)
6. The driver is always in charge of how to drive and to avoid critical situation by driving carefully.
7. Driver needs to be attentive while driving on the road
8. The system is not designed to react on animals, oncoming or crossing traffic

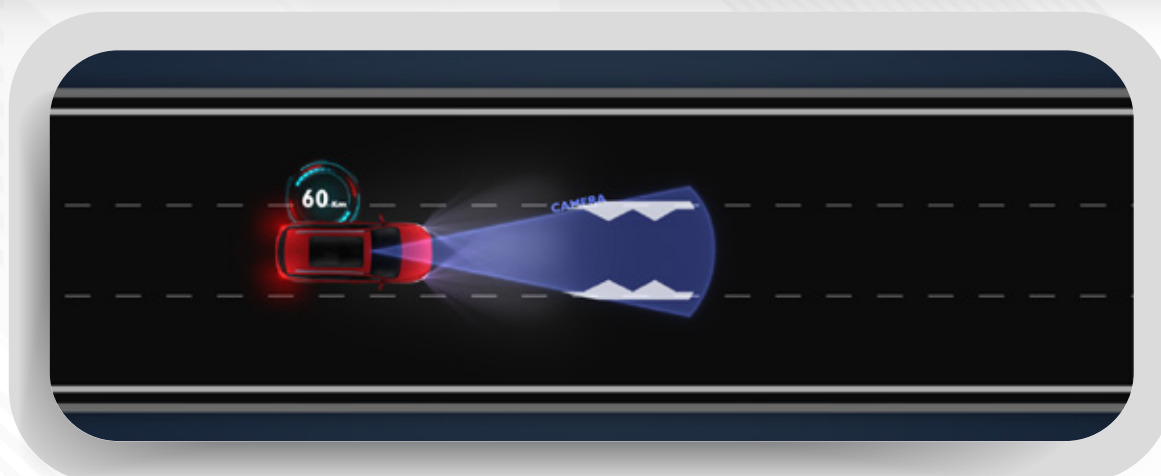
Please refer to the Owner's manual for more information

"*" indicates that the equipment mentioned is optional. And your vehicle may not have such equipment. Please refer to the actual vehicle for vehicle configuration. MG Motor India Pvt. Ltd. reserves the copyright of the Manual.

23 - LANE DEPARTURE WARNING (LDW)

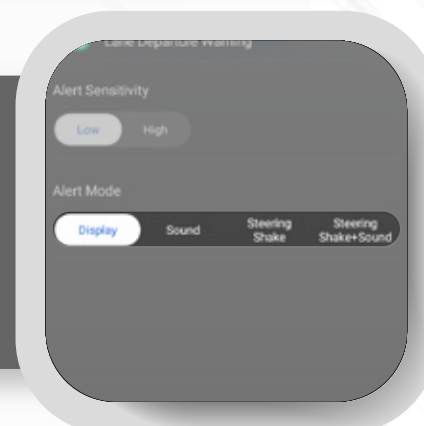
The Lane Departure Warning (LDW) system provides Audio, Visual warning in the cluster and steering wheel haptic vibration to the driver once the system detects that the vehicle is crossing the lane boundary to reduce the risk of side collision.

The system is operational at speeds above 60 KMPH and will get deactivated below speed of 55 KMPH.



Select the option from infotainment screen for LDW activation, Vehicle Settings > Driving Assistant > Lane Departure Warning.

The driver can select the warning or alarm mode for the lane departure in the multimedia interface. There are four modes such as "display", "sound", "steering wheel vibration" and "sound + steering wheel vibration".



The lane lines are displayed in white on the instrument cluster when the system identifies the lane lines on both sides.

Driver required to keep in the mind that, Lane keep Assist system shall work only if the lane markings on the road are clearly visible and warning will not be provided in case either of turn signal or hazard signal is turned ON.

Additionally, LDW can estimate the lane change intention of the driver based on other signals even if the driver has not turned the direction indicator ON.

LDW issues warning in case of driver turns on the direction indicator, but the vehicle proceeds to the wrong side unintentionally.

LDW may not work/provide false warning under the following circumstances:



Poor visibility due to rain, snow, fog, driving in/out of tunnels etc



The View of windshield camera is blocked



The camera is affected by direct lights, backlights or lights coming from opposite lane



The lane lines are ultra thin, Blurred or road surface is covered with snow/rain



Multiple/complex lanes marking on road surface



If either side of your vehicle, there are more than two lane lines



Other marking/objects on the road similar to lines marked on road surface



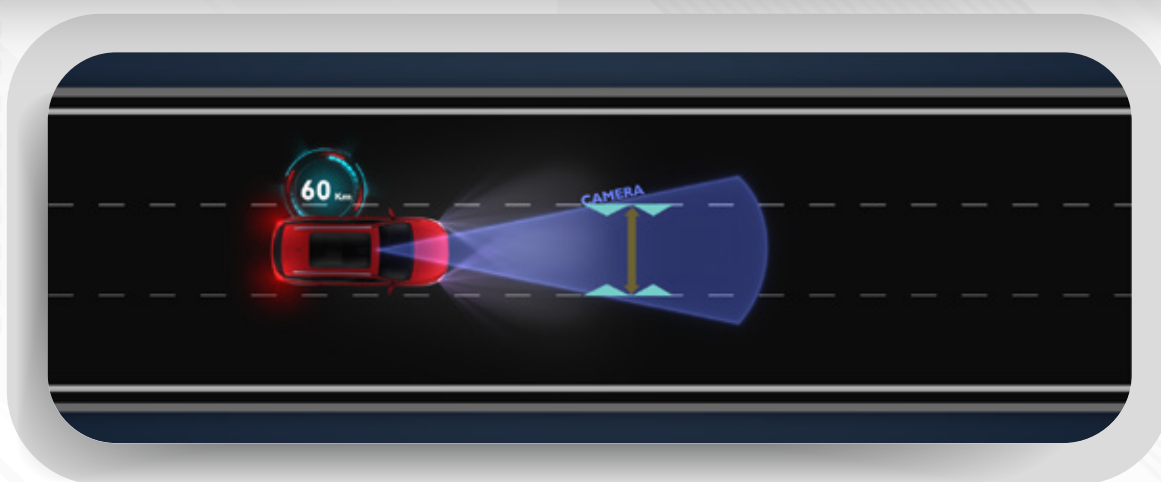
If vehicle is too close to some other vehicle in front

Note: Haptic steering wheel vibration is a feature and meant to alert the driver in case of unintentional lane crossing

24 - LANE KEEP ASSIST (LKA)

The Lane Keep Assist system communicates with the camera sensor to monitor the lane lines on the road ahead and assist you to keep the vehicle in the middle of the lane.

The Lane Keeping Assist can be activated only when the vehicle speed exceeds 10 KMPH and gets deactivated (or standby) below 10 KMPH.



To enable/disable LKA function:



LKA function shall be activated by just single press of button as shown in the image, at this time the indicator light on the instrument cluster is lit on, and the lane lines turns grey in the indicator light

To deactivate press the button again. Alternatively, pressing the brake pedal deactivates the Traffic jam assist (TJA) (refer page 49) which in turn gets the LKA turned off.



The main benefit to the driver is reduced steering efforts and thus higher driving comfort.

The function is not intended for autonomous driving. Thus, a warning is shown in case of hands- off driving.

On a straight road, LKA continuously control Electronic Power Steering (EPS) so that the driver's steering effort can be reduced In case the driver is not steering.

LKA is able to keep the vehicle near lane center for a limited period, typically 20 Sec, after which the driver is warned of hands- off driving. In case there is no reaction from the driver, the LKA will be turned off.

Additionally, LKA can estimate the lane change intention of the driver based on other signals even if the driver has not turned the direction indicator ON.

LKA issues warning in case of driver turns on the direction indicator, but the vehicle departs to the wrong side unintentionally.

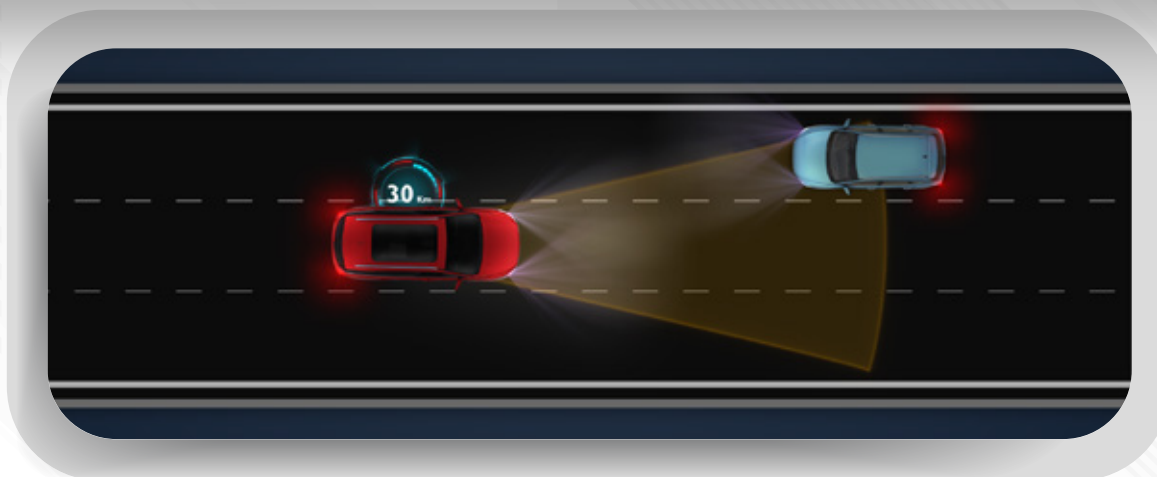
Other cases of suppression and limitation are same as LDW.



25 - INTELLIGENT HEADLAMP CONTROL (IHC)

Intelligent High Beam Assist switches forward lighting conditions by intelligently changing the headlamp beam based on the vehicle speed, light intensity of proceeding, oncoming vehicles and surrounding environment lighting condition.

Intelligent High Beam Assist function can be activated only when the vehicles minimum speed is 27 KMPH.



To activate the IHC, Put Headlamp on Auto Mode through Headlamp Lever behind Steering Wheel.

IHC function can also be enabled through infotainment display



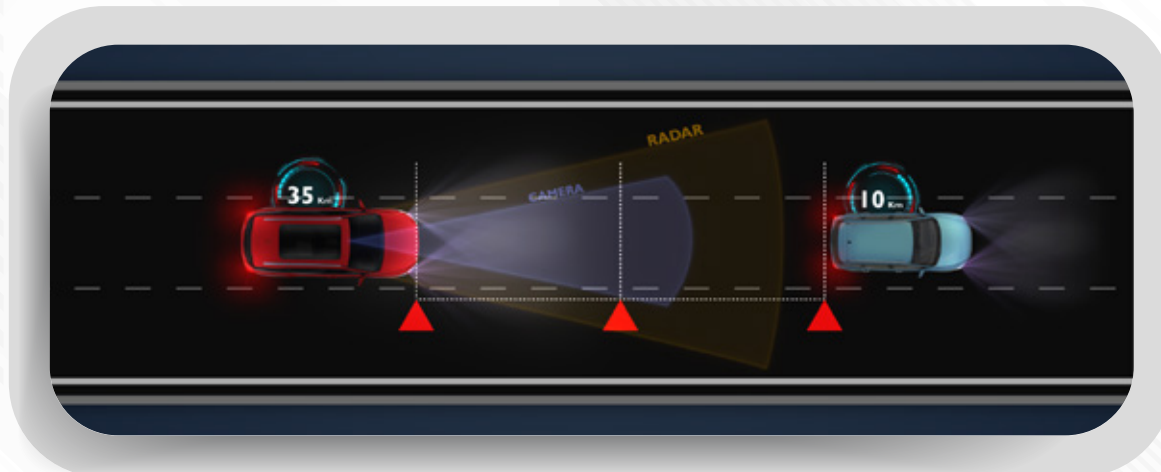
Once the speed is above 27 KMPH, a BLUE "A" Illumination will come just beside Headlamp MIL. This means IHC is active.

Turning ON any indicator lights may suppress the IHC.

26 - FRONT COLLISION WARNING (FCW)

The Front Collision Warning system can detect the potential front collision hazard and provide prompt message to remind the driver of such collision so that the driver can respond to avoid or mitigate such collision.

The FCW with Mitigation system provides the driver with audible warnings, visual warnings (within the instrument cluster display), and may apply a limited braking to warn the driver when it detects a potential frontal collision.



The Front Collision Warning system will work at different vehicle speed in regards of different objects.

If the target is a moving vehicle, the working speed is 30-150 km/h.

If the target is a vehicle standing still, the working speed is 30-85 km/h.

If the target is a pedestrian walking laterally, the working speed is 30-65 km/h.





Select below option from infotainment screen for FCW activation,
Vehicle Settings > Driving Assistant > FCW

You can adjust the sensitivity of the Front Collision Warning in the infotainment system or disable this function temporarily.

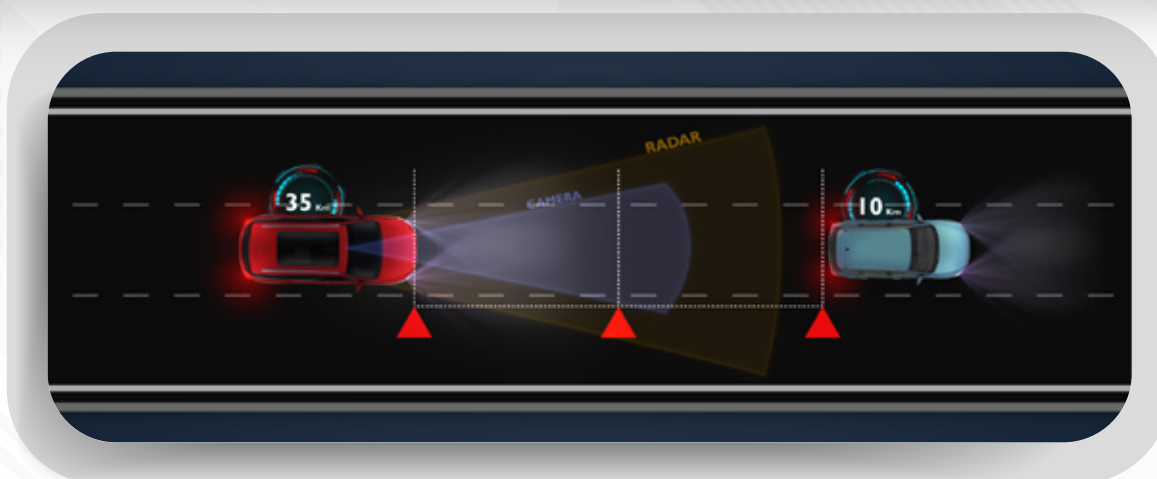


Note: FCW feature may not be available in case of Sharp turning, special outline cars, animals, traffic signs, bridge and buildings etc. as it cannot be detected.

27 - SAFE DISTANCE WARNING (SDW)

The Safe Distance Warning detects the vehicle in front via radar and provides the prompt message in the instrument in case of too-close distance between the vehicle and the vehicle in front. You may enable/disable the Safe Distance Warning in the infotainment system and the system will memorize the latest setting.

Working of the Safe Distance Warning function the vehicle speed should be maintained between 65-150 km/h.

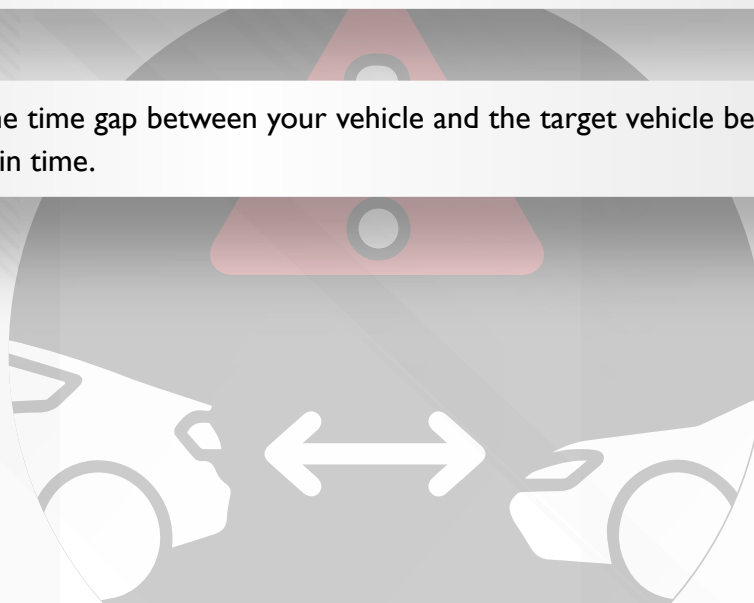


SDW is a sub function of FCW, this function provides the warning on the instrumental cluster.

The driver will be warned in the situations which are not critical yet, but can escalate very quickly in case the car in front suddenly decelerates.

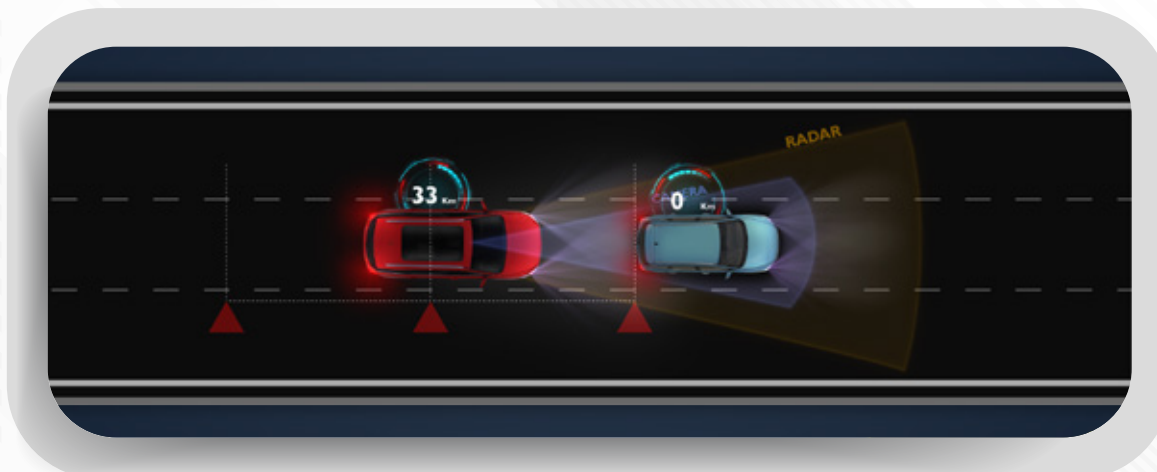
The Safe distance warning is active on moving objects in the own lane between the speed of 65-150 km/h.

The warning is triggered if the time gap between your vehicle and the target vehicle becomes smaller than a defined threshold for a certain time.



28 - AUTOMATIC EMERGENCY BRAKING (AEB)

The automatic emergency brake system will automatically apply limited brake to reduce the vehicle speed for the purpose of avoiding collision or mitigating its consequences if the driver does not respond when approaching a collision. In case the driver doesn't react on a warning (FCW) and the situation becomes increasingly critical, an autonomous deceleration will be applied.



AEB-Partial Brake

- The AEB-Partial brake function starts working immediately after activation of the acute warning (FCW) in case the driver is not braking or accelerating him/herself
- The AEB-Partial brake function is active only on moving objects between 30 and 150 km/h speed
- AEB-Partial brake cannot have reaction to stationary object

AEB-Medium Brake

- The AEB-Medium brake function is active on moving objects on the own lane between 7 – 85 km/h speed.
- The AEB-Medium brake function is active on stationary objects on the own lane between 7 – 48 km/h speed
- AEB-Medium brake can have a maximum speed reduction of 40km/h if the brake system fulfills the requirements
- The AEB-Medium brake function will be suppressed, if the driver applies the brakes, steers or accelerates strongly

You can temporarily disable the Automatic Emergency Brake function in the infotainment system (not recommended). The instrument cluster will light up the indicator light if this function is disabled.

The Automatic Emergency Brake system may fail in the following circumstances:

Objects carried by the vehicle in front are beyond the rear bumper.

The ground clearance of the vehicle in front is extremely high.

The vehicle in front is irregularly shaped, e.g., tractor or trolley.

The vehicle in front is directly exposed to sunlight or any other ray of light.

Any vehicle moves out from the front of the vehicle or appears from the side of any other vehicle.

The vehicle in front performs unexpected operations, e.g., Emergency steering, acceleration or deceleration.

The vehicle suddenly move to the rear of the vehicle in front.

The vehicle drives on a slippery road surface in severe weather, such as rainstorm, fog, snow or sandstorm.

If there are small-size vehicles in front e.g., motorcycles, bicycles, etc.

The vehicle is driving through steam or smoke area.

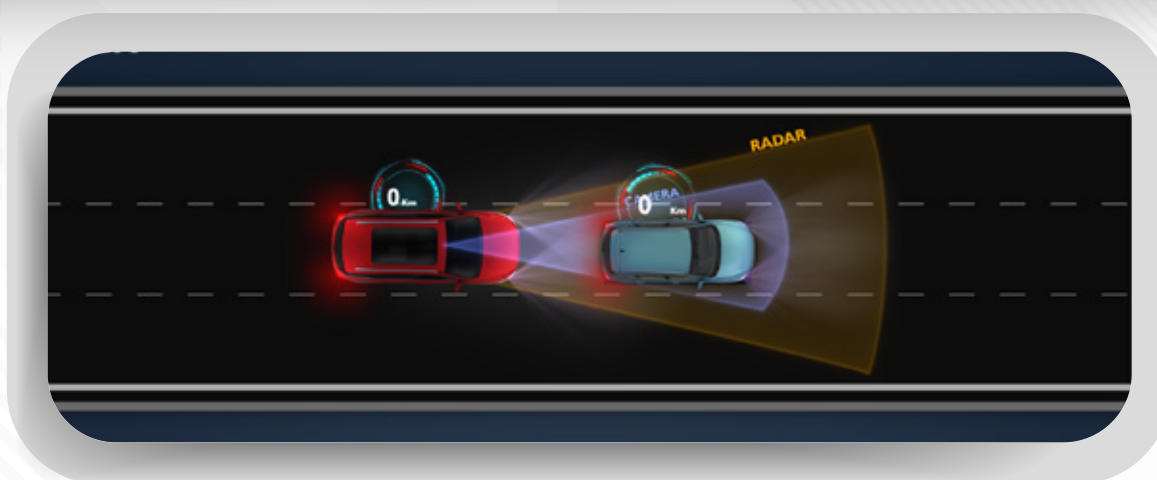
The vehicle is driving in the environment where the ambient brightness suddenly changes, such as the entrance or exit of the tunnel.

Refer owner's manual for more precautions.

29 - INTELLIGENT HYDRAULIC BRAKING ASSISTANCE (IHBA)

Intelligent Hydraulic Braking Assistance is subfunction of Automatic Emergency Braking (AEB), which assist driver in situation where the driver presses the brake, but the pressing force is insufficient, the system will automatically increase the braking force according to the situation.

The IHBA is active on moving objects in the own lane at the speed limit of 7 - 150 KMPH.



To receive the assistance of the system, you must apply continuous braking pressure during the stopping sequence (brake must not be pumped and released).

The IHBA function will be deactivated when brake pedal is released so do not release the brake pressure until braking is no longer required.

IHBA may not work in following conditions:

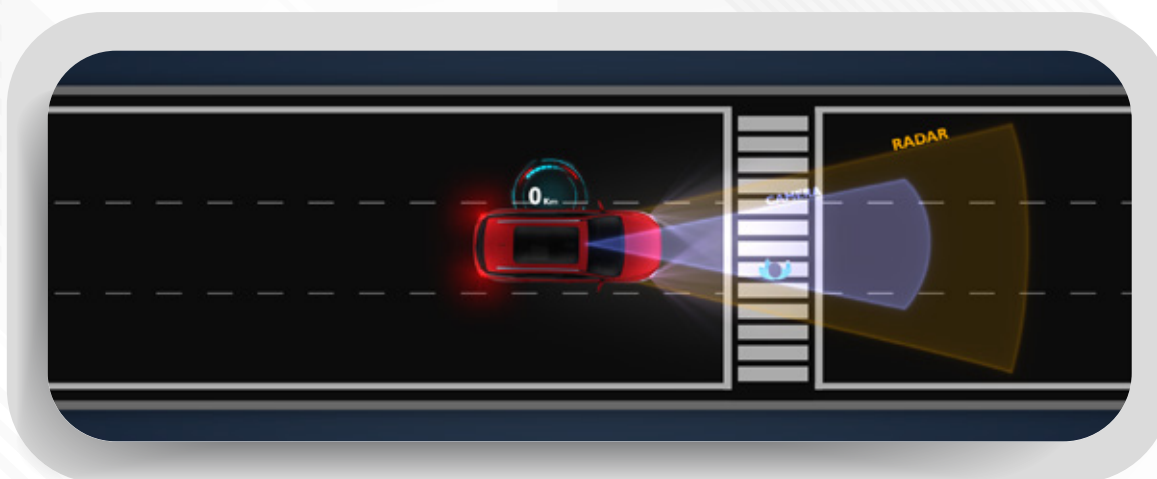
The vehicle is not properly maintained (e.g., excessive wear of brake or tire, incorrect tire pressure, etc.).

The brake disc is overheated, overcooled or humid, preventing the braking function from the performance of its maximum extent

30 - PEDESTRIAN IDENTIFICATION

Pedestrian Identification function avoids or mitigates the collision of the vehicle with pedestrians that are crossing the vehicle lane, it has the highest priority of the autonomous braking functions and can therefore overwrite the AEB request for longitudinal target objects. The system will give an audible warning and the instrument cluster will display "Brake Requested" when the vehicle speed is within the range of 7 - 65 KMPH and the pedestrian collision risk is detected.

The system will automatically activate AEB to mitigate or avoid collision if the driver does not take measures against the pedestrian collision warning.



PEDP function will get activated under below conditions:

The pedestrian must be moving laterally to the vehicle's path.

The vehicle's speed is between 7 and 64 km/h.

Max. speed reduction is 25 km/h (collision mitigation).



Note: The system can only identify pedestrians who are cross the road and cannot identify pedestrians who are walking along the road or standing still



The function gets auto activated, the moment Automatic Emergency Braking (AEB) function on the infotainment system is turned ON

The pedestrians may not be detected by radar sensors and cameras in the following circumstances:

Height of the pedestrian is less than 1m or higher than 2m.

The pedestrian wears oversized clothes (e.g., raincoat or long skirt) which blur his or her outline.

The pedestrian carries large luggage, umbrellas etc. which covers some part of the pedestrian's body.

The pedestrian is bending forward or squatting down.

The pedestrian is pushing stroller, wheelchair, bicycle or any other vehicle.

Pedestrians are walking in crowds.

Under backlight and other light conditions, the system may not be able to identify pedestrian wearing white clothes or other pedestrian of which the light color or brightness looking close to the ambient light color or brightness.

Pedestrian is in dark places, like during night or in tunnels.

Pedestrian wears clothes that almost have the same color or brightness as that of the surrounding environment.

Pedestrian is near walls, fences, guardrails or large objects.

Pedestrian changes walking speed suddenly.

Pedestrian is standing on metal objects (e.g., well covers, steel plates, etc.) on the road.

Pedestrian is walking fast

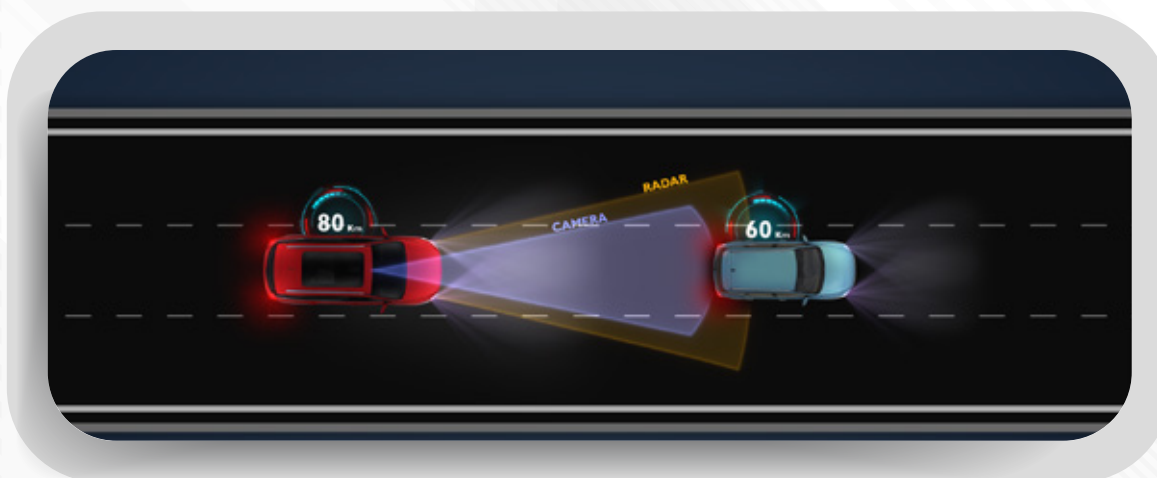
Pedestrian runs out from behind the vehicle or any other large objects.

Pedestrian is very close to the side of the vehicle (e.g., exterior rearview mirrors, etc.).



3 I - ADAPTIVE CRUISE CONTROL (ACC)

Adaptive Cruise Control (ACC) is an extension of the conventional cruise control system. In addition to the keep the speed set by the driver, ACC can also maintain the time distance to the vehicle ahead.



The minimal set velocity threshold is 10 km/h.

Maximum speed with ACC is 150 km/h.

ACC activation can be done if vehicle speed is 5 km/h or above.

The function ACC Follow2Stop (ACC F2S) extends the speed control system of ACC until the standstill.

Other functions of the ACC switch are as follows:



Speed Limit Increase/ Accelerate



Speed Limit Decrease/ Decelerate



Adaptive Cruise Cancel (Single press) & Adaptive Cruise Set



Decrease Distance



Increase Distance



ACC can be activated by pressing the ACC button once on the steering.

To disable the ACC, just press the brake pedal or use Cruise Control OFF button provided on Steering wheel.



The ACC system must be activated by the driver as he/ she selects a desired speed and a time gap to the preceding vehicle.

The max speed and the respectively time gap chosen will be set through active intervention of the engine control or the brake system.

ACC can decelerate the vehicle down to 0, and then can actively resume the system and start driving again, if the vehicles stopped for less than 3s.

If the ACC vehicle remains stationery for more than 3s, the driver can resume the system (drive off) using the accelerator pedal.

The set-speed control adjusts the vehicle speed according to the speed set by the driver (cruise control functionality). The adjustable set-speed goes from 10 km/h up to 150km/h.

The follow control adjusts the vehicle speed according to the time gap (distance in time) to the preceding vehicle that is set by the driver.

ACC is not a safety system, obstacle detector or collision warning system, but a comfort system which can't execute emergency braking.

ACC is meant to use on highways and well-build roads, not for city traffic or mountain roads.

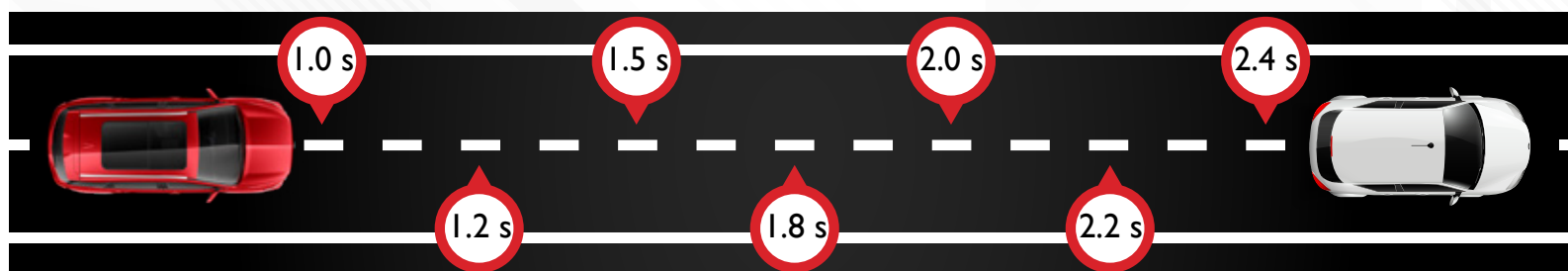
Due to safety reasons, ACC cannot be activated if ESP is deactivated.

ACC does not react to oncoming traffic.

The ACC system is not suitable to keep the distance with pedestrians.

The ACC system doesn't react to stationary objects such as parked vehicles, traffic jam, tollbooths, bicycle or pedestrians.

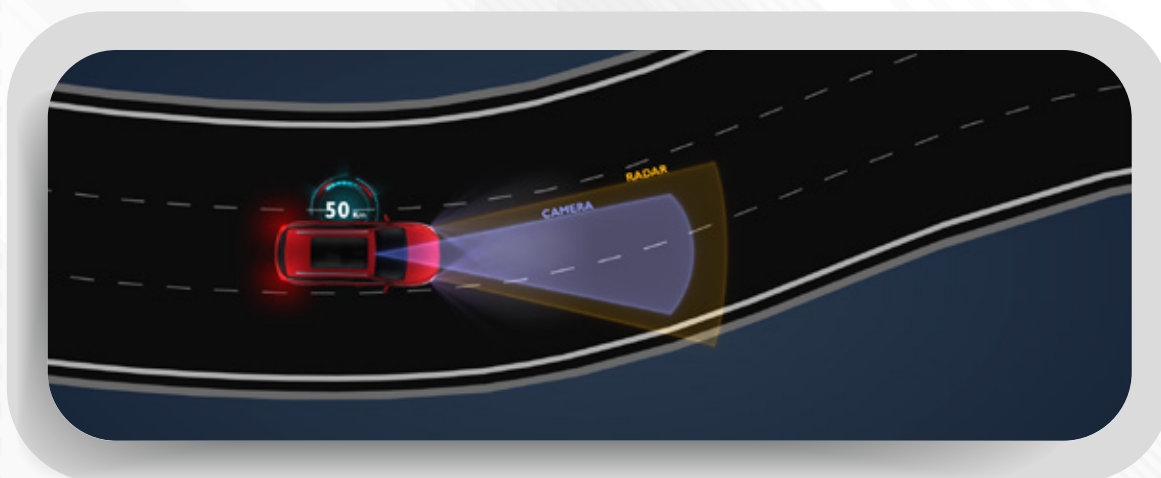
The adjustable time gap can be set from 1.0 s to 2.4 s:



Time Gap

32 - BEND CRUISE ASSISTANCE (BCA)

BCA is a sub function of ACC, which maintains the speed at curves by Providing Automatic deceleration to the vehicle when it is on Curve/Bend road. Amount of deceleration of speed depends upon the radius of road curve.



The minimal set velocity threshold is 10 km/h.

Maximum speed with BCA is 150 km/h.



33 - TRAFFIC JAM ASSIST (TJA)

TJA is combination of ACC and LKA, thus providing longitudinal & lateral guidance to driver. It adds to the comfort of the driver where one button press can activate both ACC and LKA.

Longitudinal guidance maintain the vehicle within the defined speed & time gap, which is carried out by ACC and Lateral guidance is provided by LKA functionality. The function is not intended for autonomous driving. Thus, a warning in case of hands- off driving is generated.



The minimal set velocity threshold is 10 km/h.

Maximum speed with ACC is 150 km/h.



TJA system Switch/Button is available on the Steering wheel.

Function can be activated by single press of button.

Function can be De-activated by single press of button or when brake pedal is pressed.



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