

---

Thank you for choosing SAIC MAXUS Automotive Co.,Ltd. May our products and services bring fresh joy to your life!

Please take time to become familiar with your vehicle by carefully reading this Handbook and other publications supplied with it, because the more familiar you can become with the vehicle, the greater your comfort, safety and economy when driving.

This Driver's Handbook will provide you with the information you need to become familiar with your vehicle, to drive it, to carry out routine maintenance checks, and what to do in an emergency.

This Handbook contains the latest information upon the time of printing and all modifications, interpretations and descriptions should be reserved by the company. Based on the consideration that the company products will be upgraded or in any other way(s) modified constantly, the company reserves the right to apply these changes mentioned here before without notice when the Handbook has been hereby printed and published and will accept no liability.

This Handbook is an integral part of your vehicle. If selling, please remember to pass the Handbook on to the new owner.

## **Special Attention**

Driver's Handbook and Warranty & Service Handbook specifies the agreement between the company and the user on establishment and terminations of rights and obligations around product quality warranty and after sales. You must read the Driver's Handbook and Warranty & Service Handbook very carefully before you use the product. If any damage is caused by misuse, neglect, incorrect operation or unauthorized refit, the user will have no right of claim and any warranty request will be refused by SAIC MAXUS Automotive Co.,Ltd Service Dealer (hereinafter referred to as "Service Dealer").

Unauthorized re-production of this Handbook, whether electrically, physically or in any other way, and/or storing the Handbook in any inquiry system of any form or type shall not be permitted.

Wish you a pleasant driving!

SAIC MAXUS Automotive Co.,Ltd. Address:#2500, Jun Gong Road, Yang Pu District, Shanghai Postcode: 200438

SAIC MAXUS Automotive Co.,Ltd reserves the final right to interpret this Handbook.

---



# Content

---

## **PREFACE**

<b>Introduction</b> .....	<b>9</b>
About this handbook .....	9
Indicative information .....	9
<b>Precautions</b> .....	<b>10</b>
Dangerous substances .....	10
Children / Animals .....	10
Personal safety .....	10
<b>Vehicle identification</b> .....	<b>11</b>
Vehicle identification number (VIN) .....	11
Engine number .....	11
VIN plate .....	12

## **Before You Drive**

<b>Keys</b> .....	<b>14</b>
Ordinary key .....	14
Plip .....	15
Extension / Retraction of key head of the clip ('Key head' for short) .....	15
Remote control battery renewal .....	16
<b>Door locks</b> .....	<b>17</b>
To protect your vehicle against theft .....	17

Central door locking system .....	17
Manual unlock/lock of doors .....	20

## **Windows** .....

Power windows .....	26
Side sliding windows .....	27

## **Seats** .....

Driver's seat adjustments .....	28
Front occupant seat adjustments .....	29
Rear occupant seat adjustments .....	29
Headrest .....	31

## **Occupant restraint system** .....

Sitting correctly .....	32
Seat belts .....	32
Seat belt pre-tensioner .....	35
Airbag(s) .....	35
Child restraint (not supplied with the vehicle) .....	38

## **Instruments and controls** .....

### **Instrument cluster** .....

Speedometer .....	40
Tachometer .....	40
Fuel gauge .....	40
Engine coolant temperature gauge .....	41

# Content

---

<b>Information center.....</b>	<b>41</b>	Battery no-charge warning light.....	50
Information center (type 1).....	41	Security warning light .....	50
Information center (type 2).....	42	Cruise control indicator .....	50
Tyre pressure interface .....	44	ABS (Anti-lock Braking System) warning light.....	50
Tyre temperature interface .....	44	Door open warning light.....	51
TPMS alarms .....	45	EBD (Electronic Brake Distribution) warning light .....	51
Display brightness adjustments .....	45	Front fog light indicator .....	51
<b>Warning lights and indicators.....</b>	<b>46</b>	Rear fog light indicator.....	51
Direction indicator .....	46	AdBlue Warning Lamp.....	51
Fuel filter water level warning light .....	46	<b>Instrument desk switches .....</b>	<b>52</b>
Glow plug indicator.....	46	Central Panel Switch .....	52
TPMS warning light.....	46	Headlamp leveling switch .....	55
Transmission fault warning lamp.....	47	<b>Switches on Steering column and Steering</b>	
Power side stepwell indicator.....	47	<b>Wheel .....</b>	<b>55</b>
ESP (Electronic Stability Program) indicator.....	47	Ignition switch and steering lock.....	56
ESP (Electronic Stability Program) OFF indicator.....	47	Lighting and direction indicator lever switches .....	56
Headlamp main beam indicator .....	48	Wiper and washer lever switches .....	58
Air bag warning light.....	48	Cruise switch .....	60
Exhaust fault indicator light .....	48	Volume control, mute, audio source and Bluetooth phone	
Oil pressure warning light.....	48	switch.....	61
Engine MIL.....	49	Horn.....	62
Brake system warning light .....	49	<b>HVAC.....</b>	<b>62</b>
Seat belt warning light.....	49		

# Content

---

Front ventilation .....	63	Overhead stowage .....	79
Rear ventilation .....	64	Card slot .....	79
Front air condition and heating control switches .....	65	Fire extinguisher .....	80
Front air conditioning and heating .....	68	Vehicle inverter .....	82
Rear air conditioning and heating .....	70	Driver's tools .....	83
Air conditioning - operating tips .....	70	<b>Power side stepwell .....</b>	<b>83</b>
<b>Rear view mirrors .....</b>	<b>71</b>	<b>Alarm safety hammer .....</b>	<b>84</b>
Outside rear view mirrors - power adjustment .....	71	Replace alarm safety hammer battery .....	85
Outside rear view mirrors - manual adjustment .....	71	<b>Protective device .....</b>	<b>87</b>
Foldable rear view mirrors .....	72	<b>MP3+Audio .....</b>	<b>88</b>
Interior mirror .....	72	Description of Panel Functions .....	88
<b>Internal equipments .....</b>	<b>73</b>	Audio Adjustment .....	89
Sun visors .....	73	Radio Reception .....	90
Switches on the roof vanity light .....	73	Playing in USB mode .....	91
Stepwell light .....	74	Bluetooth .....	92
Cigarette lighter .....	75	AUX IN interface .....	95
USB ports .....	75	Reversing beeper volume .....	95
Ash tray .....	76	General Troubleshooting .....	96
Cup holder .....	76	<b>Starting and Driving</b>	
Vehicle travelling data recorder .....	77	<b>    Before starting and driving .....</b>	<b>100</b>
Glove box .....	77		
First-aid kit .....	78		
First-aid Case .....	78		

# Content

---

<b>Ignition switch</b> .....	<b>100</b>	Gear shift .....	112
<b>Engine immobilisation system</b> .....	<b>101</b>	<b>6AMT automatic transmission</b> .....	<b>113</b>
Keys .....	101	Important notice .....	113
Arm / disarm .....	101	Gear lever operation .....	113
<b>Starting / Stopping engine</b> .....	<b>102</b>	Place in N position during vehicle driving .....	114
Starting .....	102	Auto mode .....	115
Warming up .....	103	Manual mode .....	116
Limp-home mode .....	103	Crawling function .....	116
Stopping .....	103	Vehicle start .....	117
<b>Driving</b> .....	<b>104</b>	<b>Power steering unit</b> .....	<b>118</b>
Running-in of new vehicle .....	104	<b>Brake system</b> .....	<b>118</b>
Driving .....	104	Service brake .....	118
Ramps and ferries .....	104	ABS (Anti-lock braking system) .....	120
<b>Catalytic converter</b> .....	<b>105</b>	ESP (Electronic Stability Program) .....	122
<b>Fuel</b> .....	<b>108</b>	Parking brake .....	123
Fuel filling .....	108	Warning lights .....	124
Fuel filler cap .....	108	<b>Cruise control system</b> .....	<b>125</b>
Saving fuel .....	109	Set Cruise Control .....	125
Cold weather precautions .....	110	Resume Set Speed .....	126
<b>Urea</b> .....	<b>111</b>	Accelerate with the Cruise Control System Enabled .....	126
<b>Manual transmission</b> .....	<b>112</b>	Decelerate with the Cruise Control System Enabled .....	126
		Overtaking with the Cruise Control System Enabled .....	127

# Content

---

Use the Cruise Control System on a Ramp .....	127	Spare tyre .....	140
Terminate the Cruise Control .....	127	Replacing wheel .....	141
Clear Speed Memory .....	127	<b>Towing vehicle .....</b>	<b>144</b>
<b>Parking assist system .....</b>	<b>127</b>	Towing hitch .....	144
Reverse Radar Sensors .....	127	Towing .....	145
Reverse camera .....	128	<b>Water draining of fuel filter .....</b>	<b>146</b>
<b>Lane change assistance system .....</b>	<b>129</b>	<b>Manual oil pumping .....</b>	<b>147</b>
<b>Tyres .....</b>	<b>131</b>	<b>Replacing fuse .....</b>	<b>148</b>
<b>Loading .....</b>	<b>132</b>	Main fuse box .....	148
Load carrying .....	133	Auxiliary fuse box .....	150
Load restraint .....	133	Pre-fuse box .....	151
Hazardous loads .....	134	Replacing fuse .....	152
<b>Emergency Troubleshooting</b>		<b>Replacing bulbs .....</b>	<b>153</b>
<b>Hazard light .....</b>	<b>136</b>	Bulb specification .....	153
<b>Warning triangle .....</b>	<b>136</b>	Headlamp .....	154
<b>Jump start .....</b>	<b>137</b>	Front direction indicator .....	155
Battery disconnection .....	137	Rear combined light .....	155
Jump start .....	138	Front roof vanity light .....	156
<b>Replacing wheel .....</b>	<b>139</b>	Rear roof vanity light .....	157
Jack .....	139	Stepwell light .....	158
		<b>Manual power side stepwell retracting .....</b>	<b>158</b>

# Content

---

## Maintenance and Service

<b>Safety</b> .....	<b>160</b>
<b>Scheduled maintenance</b> .....	<b>161</b>
<b>Owner's check</b> .....	<b>161</b>
Daily checks .....	161
Weekly checks or check before a long journey .....	162
Arduous use .....	162
<b>Engine compartment</b> .....	<b>163</b>
<b>Engine hood</b> .....	<b>163</b>
Open engine hood .....	163
Close engine hood .....	164
<b>Engine oil</b> .....	<b>165</b>
Inspection and charge .....	165
Oil consumption .....	166
<b>Coolant</b> .....	<b>167</b>
Inspection and charge .....	167
<b>Brake fluid</b> .....	<b>168</b>
Inspection and charge .....	168
<b>Power steering fluid</b> .....	<b>169</b>
Inspection and charge .....	169

<b>Washer fluid</b> .....	<b>170</b>
Inspection and charge .....	170
<b>Washer jet</b> .....	<b>171</b>
Adjusting and cleaning .....	171
<b>Wiper blade</b> .....	<b>172</b>
Inspection .....	172
Replace .....	172
Maintenance and service .....	172
<b>Battery</b> .....	<b>173</b>
Duration of storing the vehicle .....	174
Operating in winter .....	174
Recharging the battery with ground equipment .....	175
Removing the battery .....	176
Replacing the battery .....	176
Installing the battery .....	176
<b>Tyres</b> .....	<b>177</b>
Tyre pressure .....	177
tyre gauge .....	177
Wear indicator .....	178
<b>Seat belt</b> .....	<b>178</b>
Inspection .....	178



# Content

---

Maintenance and service .....	179
<b>Other maintenance.....</b>	<b>179</b>
Vehicle cleaning.....	179
Anti-corrosion of underbody.....	180
Seat and trim.....	180
Door seal.....	180
Window glass.....	180
<b>General Technical Parameters</b>	
<b>Major vehicle dimension parameters .....</b>	<b>182</b>
<b>Vehicle weight parameters .....</b>	<b>184</b>
<b>Vehicle performance parameters .....</b>	<b>185</b>
<b>Major engine technical parameters .....</b>	<b>186</b>
<b>Steering and braking system parameters.....</b>	<b>187</b>
<b>Recommended fluid oil.....</b>	<b>188</b>
<b>Wheel and tyre.....</b>	<b>189</b>
<b>Wheel alignment parameters .....</b>	<b>190</b>

<https://www.automotive-manuals.net>

# PREFACE

---

## Introduction

### About this handbook

This Handbook is applicable to MAXUS V80 Minibus and Cargo van, Dropside cab and Chassis cab.

**CAUTION: The information contained in this Handbook is designed to cover more than one model option and variant, and therefore some of the items covered may not apply to your vehicle.**

The applicable executive enterprise standard is Q31/0110000019C007, Q31/0110000019C009.

The drawings contained in this Handbook are illustrations for references only.

## Indicative information

### Warning



**This symbol indicates that: In order to avoid the possibility of personal injury or injury to others, relevant procedures must be followed strictly and precisely.**

### Caution

#### Caution

Relevant procedures must be followed to avoid the possibility of vehicle damage.

### Note

*Note: Indicative statements which provide helpful information.*

## Environment protection



**We are all expected to play our part in protecting the environment. This symbol draws attention to information which may help you to do that.**

## Arrows



Represents described object.




Represents its direction of motion.

## See

If the referred is in the same chapter, it represents only the name of 'Section'; if not, the name of 'Chapter - Section'.


## Precautions

### Dangerous substances

 Many liquids and other substances used in motor vehicles are poisonous and should under no circumstances be consumed and should, so far as possible, be kept away from open wounds. These substances among others include battery acid, anti-freeze, brake fluid, power steering fluid, fuel, washer fluid, lubricants, refrigerant and various adhesives. Always read carefully the instructions printed on the labels or stamped on components and obey them implicitly. Such instructions are included for reasons of your health and personal safety. Never disregard them.


For your safety, observe instructions contained in this Handbook.

### Children / Animals

 Accidents and injury may be caused by unsupervised children or animals operating controls and switches fitted to your vehicle, or playing with equipment or goods being transported in it.

To prevent child or animal induced accidents or personal injury, Do NOT leave them unattended inside the vehicle without adult supervision. Also they can become suffocated in hot weather conditions.

### Personal safety

 Seat belts are fitted to all seats in your vehicle to reduce the possibility of personal injury in the event of an accident. It is required that all occupants wear a seat belt. In addition, a Supplementary Restraint System (SRS) is fitted for additional protection of the driver and front occupants, comprising an air bag and seat belt pre-tensioner.

Please see 'Before You Drive - Occupant restraint system' on Page 32. Misuse of an air bag can result in injury.

# PREFACE

---

## Vehicle identification

When communicating with our authorized service provider, you should provide the vehicle identification number (VIN). If the engine is concerned, engine number should be also provided.

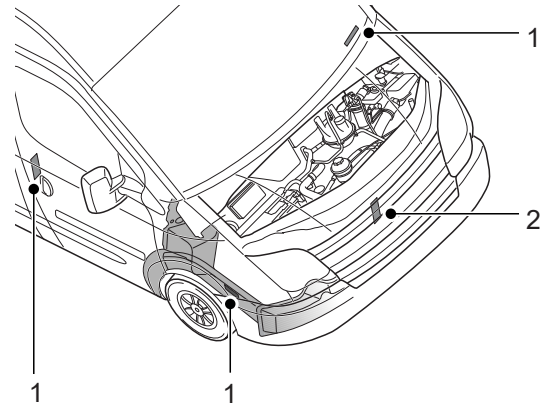
## Vehicle identification number (VIN)

There are totally 3 areas labeled with VIN:

- On the outer side of right-front vertical beam.
- On the vehicle identification plate on the right/left side of 'B' post, please refer to the actual vehicle.
- On the fascia in the left bottom of front windscreen glass through where the VIN can be seen easily.

## Engine number

It is labeled at the lower of engine compartment cylinder block front end face (At the lower left if seen in the front of the vehicle).



- 1 Vehicle Identification Number (VIN)
- 2 Engine Number

# PREFACE

---

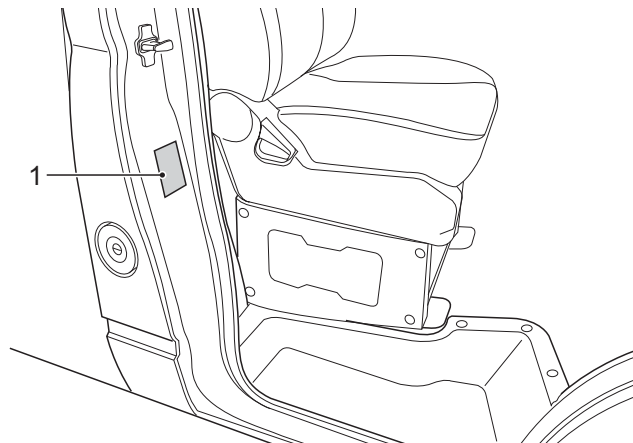
## VIN plate

VIN plate may contain the following information, please refer to the actual vehicle.

- VIN
- Type
- Engine model
- MNEP
- Engine Displacement
- GVW
- GCVW
- Seat No.
- Manufacturing Date
- Name of production plant
- Country of manufacture

## Location of VIN plate

VIN plate (1) is located at front lower of right/left side 'B' post, please refer to the actual vehicle.



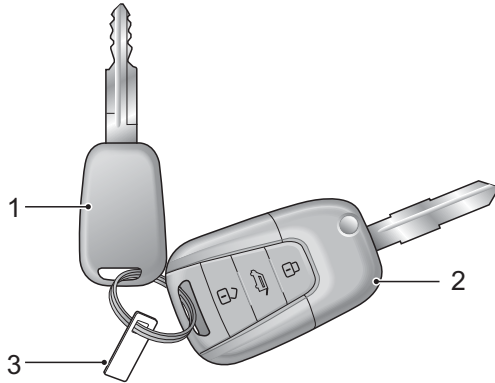
## *Before You Drive*

---

- 14 Keys
  - 17 Door locks
  - 26 Windows
  - 28 Seats
  - 32 Occupant restraint system
  - 39 Instruments and controls
  - 40 Instrument cluster
  - 41 Information center
  - 46 Warning lights and indicators
  - 52 Instrument desk switches
  - 55 Switches on Steering column and Steering Wheel
  - 62 HVAC
  - 71 Rear view mirrors
  - 73 Internal equipments
  - 83 Power side stepwell
  - 84 Alarm safety hammer
  - 88 MP3+Audio
-

## Keys

The vehicle is equipped with 2 ordinary keys or 1 ordinary key and 1 plip or 2 plips.



- 1 Ordinary key
- 2 Plip
- 3 Metal tag

**Note:** In case of loss, replacement keys are available from our Service Dealer by quoting the key number on the metal tag supplied with the keys. We recommend you should keep the tag in a safe place.

**Note:** For security purposes the keys are coded electronically to the engine's immobiliser and are unique to it. A special procedure

*is required to replace lost keys. A new key will have to be programmed before it can be used to start the engine, otherwise it can only be used for locking/unlocking.*

## Ordinary key

The ordinary key is primarily for activating the engine's immobiliser and starting systems, but will also lock/unlock driver's door, occupant's door, side load door and tail door. Use of an ordinary key in either of these doors (driver's door excluded) will lock/unlock that door only. The ordinary key will also lock/unlock the fuel filler cap.

For further information on the use of ordinary key see 'Manual unlock/lock of doors' on Page 20, 'Starting and Driving - Engine immobilisation system' on Page 101 and 'Ignition switch and steering lock' on Page 56.



## Plip

The remote control is the controlling part of your vehicle's central locking system, and its use enables you to lock all doors. It can be used to unlock the tail door only or to unlock all doors.

*Note: The remote controls are coded electronically to your vehicle's lock/unlock system and are unique to it. A special procedure is required to replace plips. Your Service Dealer will be pleased to assist you.*

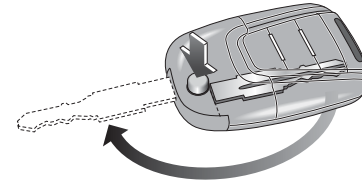
For further information on the use of plips see section 'Central door locking system' on Page 17.

### Caution

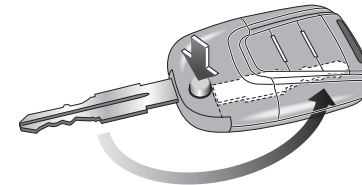
Regardless of the key type, engine immobilisation system can accept up to 8 programmed keys.

## Extension / Retraction of key head of the clip ('Key head' for short)

Press the release button on the clip to extend the key head from the key itself.



If retracting the key head, press the release button on the clip and rotate the key head back to the key itself.



# Before You Drive

## Remote control battery renewal



**Batteries present danger, risk of fire, explosion and burns. Do not attempt to re-charge batteries.**

To renew the battery, following procedures must be observed:

- 1 Extend the key head;
- 2 Remove the key itself from the main body with force;
- 3 Pry (using one-yuan coin) the upper and lower panels of the main body;
- 4 Remove the PCB (with battery) from the lower panel;

### Caution

Never use a metal tool to pry the PCB.

- 5 Withdraw the old battery and fit the new battery;

*Note: Batteries of type CR2032 are recommended.*

### Caution

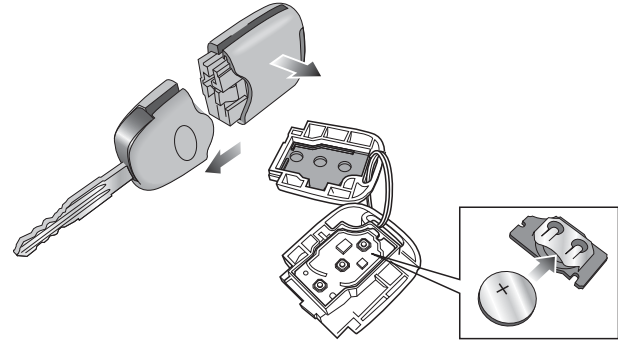
It is essential that the correct battery polarisation is observed.

- 6 Locate the PCB (with battery) on the main body lower panel;
- 7 Refit the upper and lower panels of the main body;

### Caution

Do not ignore the waterproof shim onto the upper panel.

- 8 Press the key itself into the main body.



## Door locks

### To protect your vehicle against theft



**If leaving the vehicle with occupants inside, even briefly, always remove the key from the ignition lock, particularly if children remain in the vehicle. They could otherwise start the engine or operate electrical equipment at the risk of causing an accident.**

Before leaving the vehicle, fully close all windows.

Ensure all doors are fully closed before locking them.

### Central locking/unlocking

All doors can be locked/unlocked from the outside using clip or ordinary key. All doors can be locked/unlocked from the inside using central lock switch. All doors can be automatically locked according to the vehicle speed.

See 'Central door locking system' on Page 17.

### Separate locking/unlocking

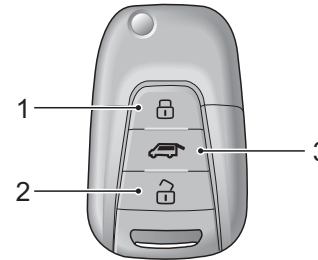
Front occupant door and tail door can be separately locked/unlocked from the outside using ordinary key or clip head. See 'Manual unlock/lock of doors' on Page 20.

## Central door locking system

### Using remote control

The doors can be locked/unlocked through the central door locking system using the remote control buttons.

*Note: All doors must be fully closed for the system to operate correctly.*



- 1 Central locking button
- 2 Central unlocking button
- 3 Tail door unlocking button (for vehicles with tail door)

### Caution

After removing the key from the ignition switch, please use the central control lock button on the remote control to lock the vehicle, so as to completely turn off the radio, interior reading lamp and other electrical equipment.

## Caution

Please operate as per actual configurations of your car, for different vehicle configurations apply different key control strategies.

### Type 1

#### **All doors locking**

Press button (1) to lock all doors when they are closed. All direction indicators will flash 3 times to indicate successful locking.

*Note: If all direction indicators flash 3 times, it indicates that locking has been confirmed; If any door is not fully closed, the audible warning will sound again to indicate an incorrect locking. Press button (1) only after all doors have been closed.*

#### **All doors unlocking**

Press button (2) to unlock all doors. All direction indicators will flash once to indicate successful unlocking.

*Note: If no door is opened, no key is inserted into the keyhole, or no central locking/unlocking button is pressed within 30 seconds, all doors will be automatically locked again.*

#### **Tail door unlocking**

Press button (3) to unlock tail door. All direction indicators will flash once to indicate successful unlocking.

*Note: If no door is opened, no key is inserted into the keyhole, or no central locking/unlocking button is pressed within 30 seconds, the tail door will be automatically locked again.*

### Type 2

#### **All doors locking**

Press button (1) to lock all doors when the driver door is closed. All direction indicators will flash once and the horn will sound to indicate successful locking.

*Note: If all direction indicators flash once and the horn sounds, it indicates that locking has been confirmed; If any door is not fully closed, there will be no direction indicator flashing or audible warning. Press button (1) only after all doors have been closed.*

#### **All doors unlocking**

Press button (2) to unlock all doors. All direction indicators will flash twice to indicate successful unlocking.

*Note: If no door is opened, no key is inserted into the keyhole, or no central locking/unlocking button is pressed within 30 seconds, all doors will be automatically locked again.*

#### **Tail door unlocking**

Press button (3) to unlock tail door. All direction indicators will flash twice to indicate successful unlocking.

*Note: If no door is opened, no key is inserted into the keyhole, or no central locking/unlocking button is pressed within 30 seconds, the tail door will be automatically locked again.*

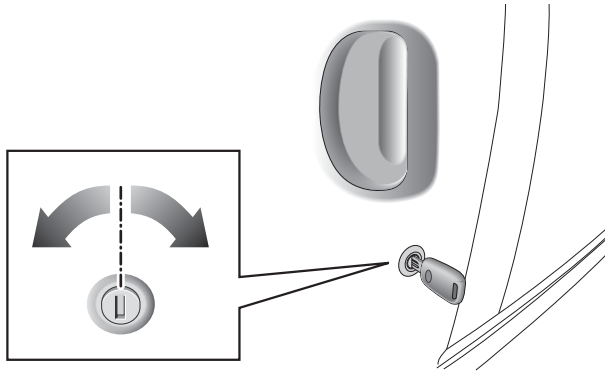
# Before You Drive

## Using ordinary key or key head

All doors can be locked/unlocked using ordinary key or key head to manually lock/unlock the driver's door.

To lock, turn the ordinary key or key head clockwise.

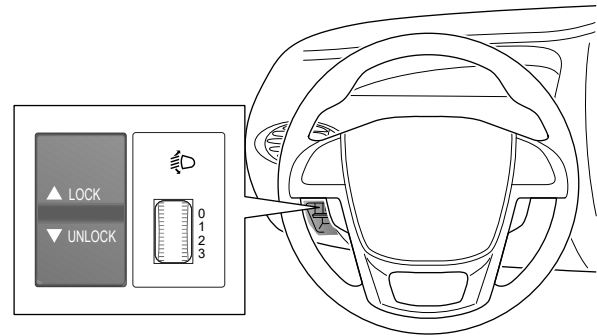
To unlock, turn the ordinary key or key head anti-clockwise.



## Using central lock switch

All door can be unlocked or locked from the inside using the switch. All doors can be locked by pressing the upper of the switch. All doors can be unlocked by pressing the lower of the switch.

*Note: If driver's door is not closed, the lock motor will not operate; if any other door is not closed, the lock motor will operate.*



# Before You Drive

---

## Locking according to vehicle speed

When the vehicle speed exceeds 8 km/h, all doors can be locked automatically.

*Note: When the key is turned to 'LOCK' position, remove the key to unlock the door automatically.*

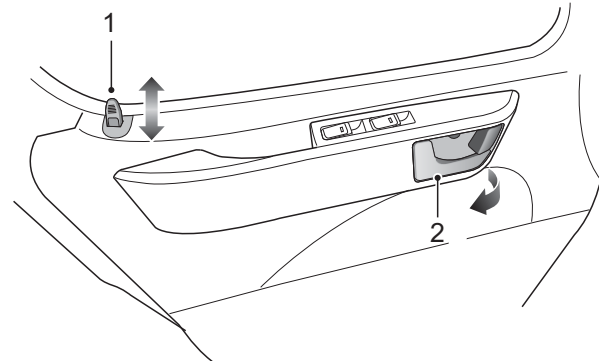
## Manual unlock/lock of doors

### Driver's door (from the inside)

To lock, close the door and press button (1).

To unlock, lift the button (1) up. To open the door from the inside, pull the handle (2).

*Note: The door can also be locked by pressing the interior 'LOCK' button (1) before closing all doors (except for driver's door).*



## Front occupant door (from the inside)

The unlocking/locking from the inside of the front occupant door are the same with those of the driver's door.

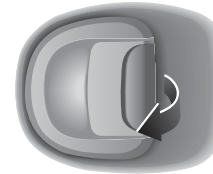
## Side loading door(s)

### ***Opening/closing the door from the outside***

To open the door from the outside, squeeze the handle and slide the door rearwards.



To open the door from the outside, pull the handle and slide the door rearwards.



To close the door from the outside, pull it fully forwards using the handle.

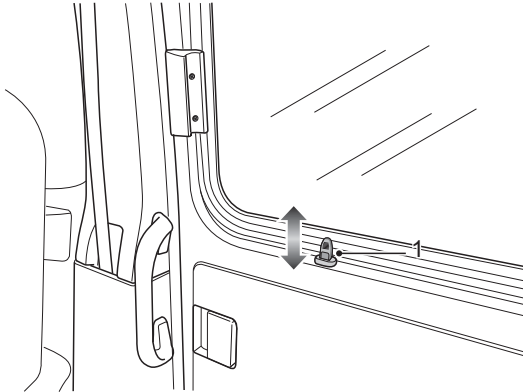
***Note: The locking/unlocking of the side load door from the outside can be controlled using a remote control (See 'Central door locking system' on Page 17).***

## Before You Drive

### ***Unlocking/locking from the inside***

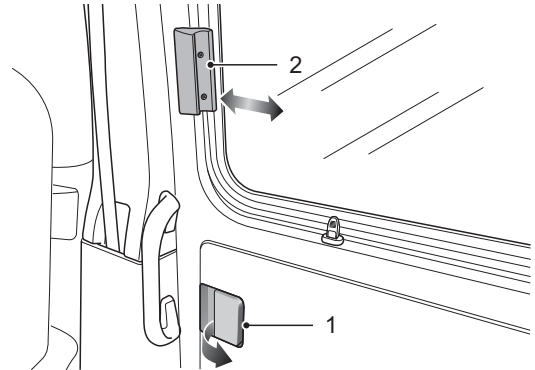
To lock from the inside, close the door and press button (1).

To unlock from the inside, lift the button (1) up.



### ***Opening/closing the door from the inside***

To open the side load door from the inside, lift the handle (1) and squeeze the pull handle (2) and pull it rearwards after unlocking.



### **Caution**

Damage may be caused if the inside opening handle (1) is used to pull the side loading door open or closed. It is recommended to use the pull handle (2) provided on the door frame to open or close the side load door.

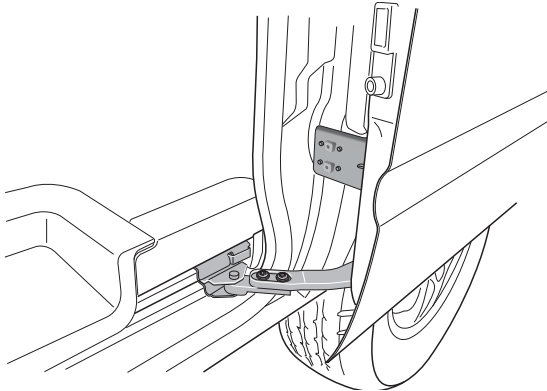


# Before You Drive

## Fastening the door

*Note: When the side load door is fully opened, a 'click' from the rear of lower rail indicates that the door is fastened.*

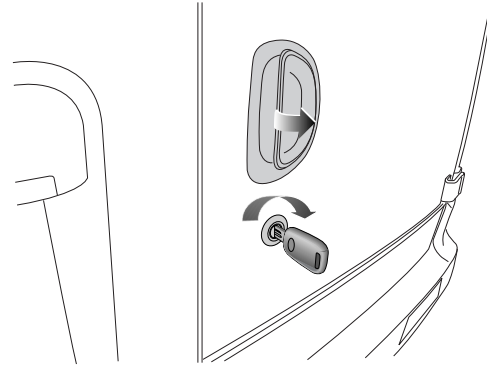
∞



## Tail door

### Unlocking/opening from the outside

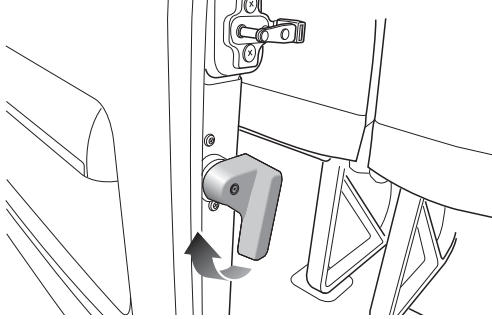
To unlock manually or open from the outside, turn the ordinary key or key head clockwise. Pull the handle to open the right hand door first.



1

# Before You Drive

Then pull the spring lock lever on the left hand door to open the left hand tail door.



## ***Closing/locking from the outside***

To close and lock from the outside, shut the left hand door first, and pull down the spring lock lever on the left hand tail door to fasten the left hand tail door. Then shut down the right hand tail door and use ordinary key or key head to fasten in a anti-clockwise direction.

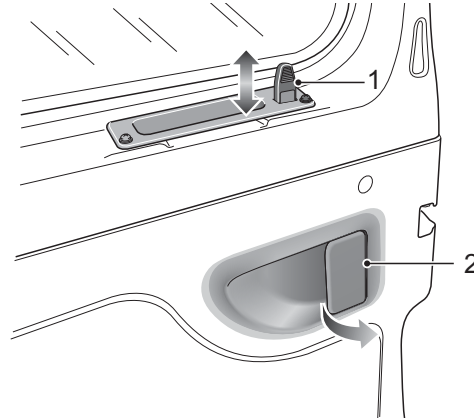
***Note: The tail door can also be locked by pushing the interior LOCK button down before closing the door.***

## ***Unlocking/locking from the inside***

To unlock and open the tail door from the inside, lift the button (1) and pull the handle (2) to open it. Then pull the spring lock lever on the left hand door to open the left hand tail door.

To lock the tail door from the inside, shut the tail doors on both sides and press down the right hand button (1).

At this time, entrance from the outside can be achieved only by using ordinary key or key head.



### *180° /255° opening/closing of tail doors*

**!** When either door is opened more than 90° it has no restraint.

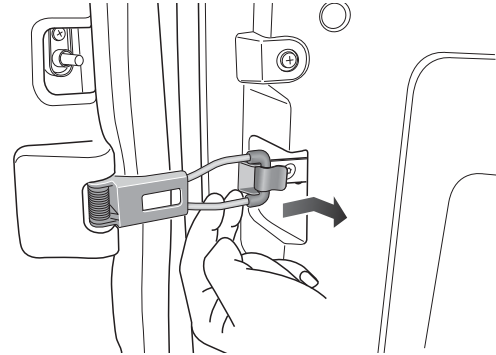
It may then swing unexpectedly in windy conditions, and could harm passers-by or other road users and/or cause damage to the vehicle.

The tail doors should not be opened to 180° /255° on the public highway as they may cause a hazard to passing traffic or pedestrians.

In certain positions of use the tail doors may obscure the vehicle's rear combined lights. When using the rear doors during the hours of darkness, it is advisable to warn other road users of the presence of the vehicle by means of additional precautions such as using a reflective warning triangle or similar device.

Open to 90° then pull the door slightly back towards the closed position and release the draw hook by pulling it out against tail door hook. The door is now free to be opened to 180° /255° .

When the door is closed from the 180° /255° position, the drag hook will automatically return to its fitted position at 90° .



## Windows

### Power windows

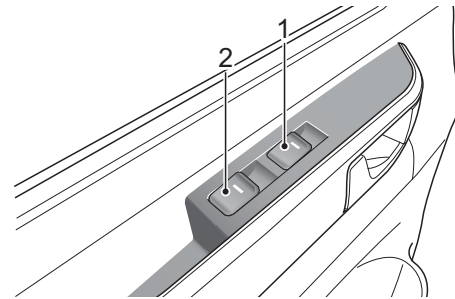
**!** Always remove the key if leaving children alone in the vehicle. Do not allow children to play with power window switches. A child could operate the switches and become trapped in a window causing serious injury.

Always take care when closing windows. Careless operation can lead to personal injury, e.g. bruising, or trapped clothing.

### Driver's door window

There are 2 window switches on the driver's door. These two switches are respectively used to control the driver's door window and front occupant door window.

Press the front of the switch to open the window. Press the rear of the switch to close the window.



- 1 Driver's door window control switch;
- 2 Front occupant door window control switch.

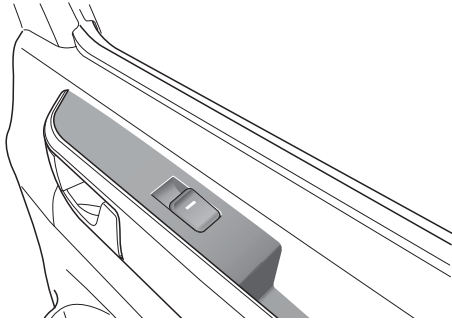
## 'One touch' lowering

Slightly touch on the driver's door window control switch, the window can be automatically opened.

### **Front occupant door window**

There are only 1 window switch on the front occupant door for controlling front occupant door window only.

Press the front of the switch to open the window. Press the rear of the switch to close the window.



*Note: The power windows will only operate when the ignition switch is turned to 'ON'.*

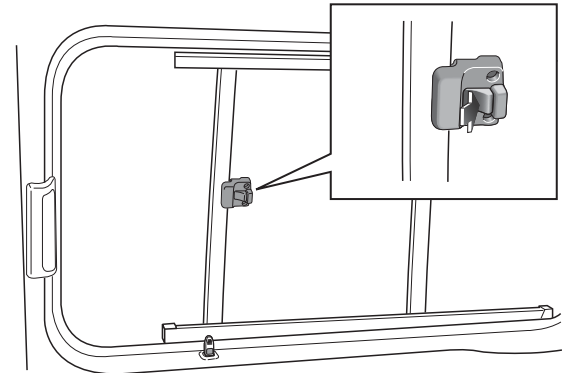
## Side sliding windows



**When open, always ensure that the catch engages in one of the securing positions, otherwise the window might slide forward under sudden braking or in an accident and cause personal injury.**

To open, squeeze the catch and slide the window to the desired position.

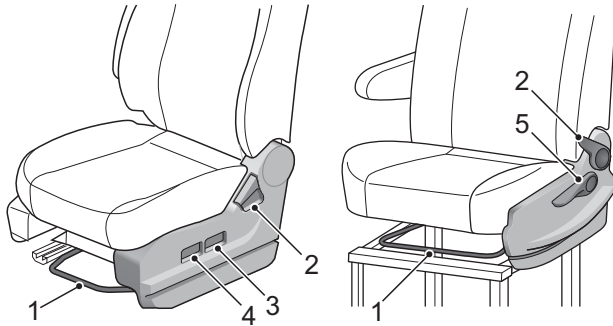
To close, squeeze the catch and slide the window closed. Release the catch and check that the window is secured in the closed position.



## Seats

### Driver's seat adjustments

**!** Do not carry out driver's seat adjustments while the vehicle is moving. Otherwise control of the vehicle may be lost and cause an accident.



### Fore and aft

Lift the bar (1) and slide the seat to the required position. Release the bar (1) and check that the seat is locked in position.

### Rack adjustments of backrest

**!** Do not recline the driver's seat excessively as the seat belt provides maximum protection when the angle between the seat and the upright position is near 25° .

Slightly recline forward and pull up the adjuster (2), the seat backrest will rebound automatically. Then lean against the seat back to adjust to the required angle. Release the adjuster (2) and check that the seat back is locked in position.

### Pad height adjustments

The front and rear of the seat can be adjusted independently for height. The height of the rear of the seat can be adjusted while holding up the lever (3), and the front while holding up the lever (4).

The seat can be adjusted for height. Pulling up the lever (5) can raise the seat, and pressing the lever (5) can lower the seat. To adjust the seat significantly, it is required to pull up or press down the lever (5) continuously.

*Note: When increasing the pad height, ease your body weight from the seat pad; When decreasing the pad height, press the seat pad with your body weight to lower the pad height.*

## Front occupant seat adjustments

### Rack adjustments of backrest(if adjustable)

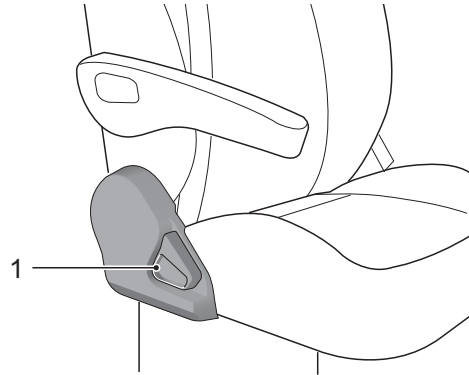
Rack adjustments of front occupant single seat / dual seat backrest is same as driver's seat.

## Rear occupant seat adjustments

### Rack adjustment of seat back (if adjustable)

Slightly recline forward and pull up the adjuster (1). Then lean against the seat back to adjust to the required angle.

Release the adjuster (1) and check that the seat back is locked in position.



# Before You Drive

## Seat back folding adjustment (if adjustable)

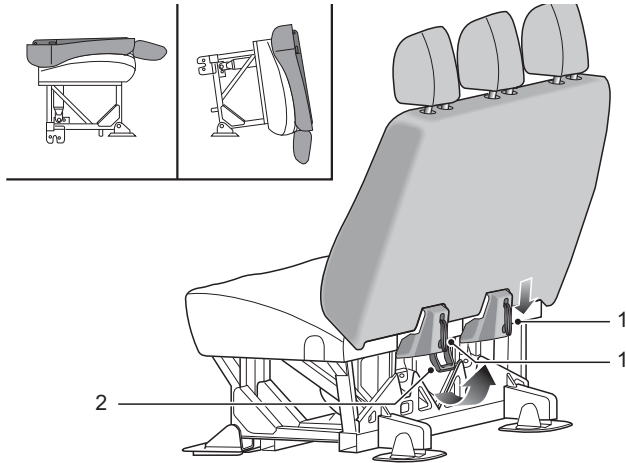
While keeping pulling belt release buckle (1) downward, push seat back forward to fold it.

While keeping pulling belt release buckle (1) downward, push seat back backward to make it return to upright position.

## Seat folding forward adjustment (if adjustable)

With seat back folded, while keeping lifting up handle (2), push seat forward to fold it forward.

While keeping lifting up handle (2), push seat backward to make it return to upright position.



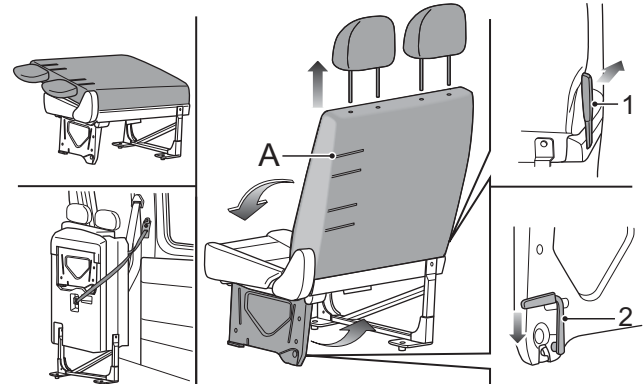
## Seat side folding adjustment (if adjustable)

### Seat side folding

Remove the headrest. Insert the headrest into the slot A (if any) in the backrest, or insert the headrest between the seat cushion and backrest (if no slot A).

Push the handle (1) forward to unlock the seat back. Push the seat back forward to fold it.

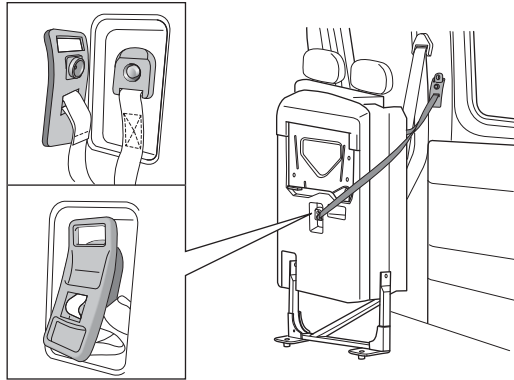
After folding the seat back, press down the lock handle (2) on the lock plate of seat to rotate it onto the seat cushion, while turning the seat toward the side. After turning the seat, take out the safety cable placed in the hole on rear plastic part of the cushion. Adjust the cable to an appropriate length, so that it can be fixed on the hook at body side to protect the turned seat.





## Seat returning

Remove the safety cable from the hook of body side, retract it, and fix its hook into the hole on rear plastic part of the cushion. Extend the turned seat lock plate, while adjusting the seat from turned position to upright position, to return the lock on the lock plate back to its original position and ensure to lock it. Push the handle (1) downward to unlock the seat back, and then push the seat back to return it back to upright position. Remove the head rest from slot A, and adjust it to the occupying position.



### Caution

After returning the seat to its original position, please gently shake the whole seat up and down to ensure it is locked into position.

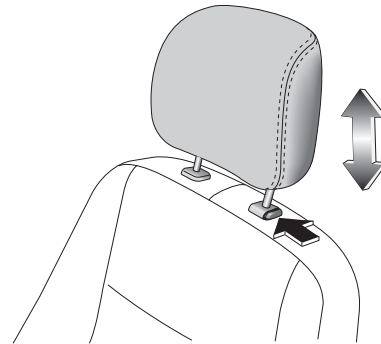
## Headrest



**To reduce the risk of neck or head injury, the headrest should be adjusted to support the back of the head and not the neck. Do not adjust the headrest while the vehicle is in motion.**

Press the arrowed button to push down or pull up the headrest to adjust the headrest to the required position.

When pulling to a proper position, the headrest can be pulled out.



## Occupant restraint system

### Sitting correctly

The seat and its occupant restraint system have been designed to reduce personal injury to a minimum in the event of an accident. For optimum effectiveness, the following points should be observed.

- Do not position the seat nearer to the steering wheel than is necessary.
- Do not over-recline the seat. Adjust the rake of the backrest to no more than 30° angle so that you sit in an upright position with your arms slightly bent, and the base of your spine as far back as possible.
- Your headrest should be adjusted so that its centre is level with the back of your head, not your neck.
- Diagonal belt should lie across the centre of your shoulder (adjust its height if necessary) while lap strap fit tightly across the hips, not the stomach.



## Seat belts

**!** Improperly worn or improper use of seat belts can cause serious injury or death. Seat belts are life saving equipment. In a collision, unrestrained occupants can be thrown around inside the vehicle or possibly thrown out, resulting in injury to themselves and also to other occupants.

Seat belts must be used at all times by the driver and adult sized passengers. Do NOT slacken the webbing by pulling the belt away from the body. To be fully effective the webbing must remain tightly around the body at all times. Avoid wearing thick, bulky clothing.

Never use a seat belt for more than one person, and never use it to secure an additional object or a child.

When wearing a seat belt ensure that the webbing is not twisted or slack. Otherwise the smooth operation of the belt may be impeded. The buckle release button must face outwards.

Do not allow a baby or infant to be carried on the lap. The force of a crash can increase effective body weight, making it impossible to hold onto the child.

Do not allow foreign matter (particularly sugary food and drinks) to enter the seat belt buckles - such substances can render the buckles inoperative.

Always renew a seat belt assembly that has withstood the strain of a severe vehicle impact, or where the webbing shows signs of fraying, cuts etc.

# Before You Drive

Pregnant women should ask their doctor for advice about the safest way to wear seat belts.

A seat belt must not be altered or modified in any way, since such changes may render the belt ineffective. Do not attempt to dismantle, repair or lubricate retractor or buckle mechanisms.

Always ensure correct stowage of belts when not in use.

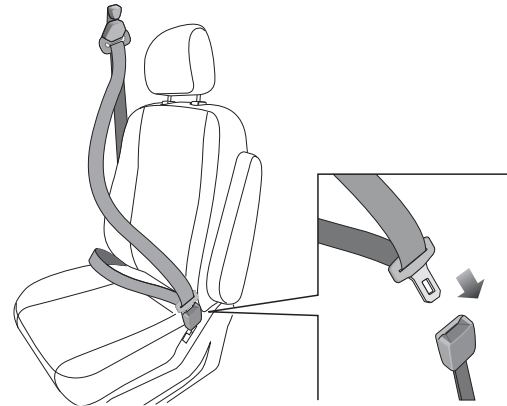
This series provides diagonal belts and lap straps. The diagonal belts are divided into adjustable and unadjustable for height.

## Diagonal belts



Insert the tongue into the buckle until a distinct click is heard, which indicates the belt is locked.

Pull the belt steadily from the reel. Position the belt over the shoulder and across the chest, and push the tongue into its buckle.



### Caution

It may lock if pulled sharply or if the vehicle is on a slope.



After the engine start, the seat belt warning light will not go out unless the driver's seat belt is tied or correctly engaged.

*Note: The red seat belt warning light on the information display will only go out if the driver's seat belt tongue and buckle are correctly engaged.*

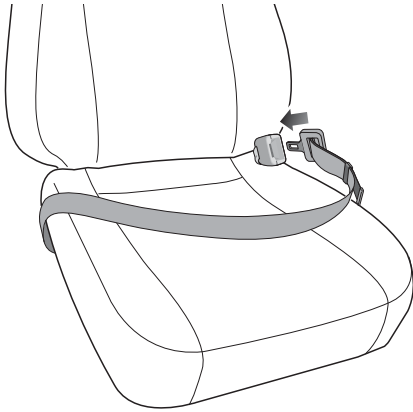
# Before You Drive

---

## Lap straps

**!** Insert the tongue into the buckle until a distinct click is heard, which indicates the belt is locked.

To release, press down the red lock release button on the buckle.



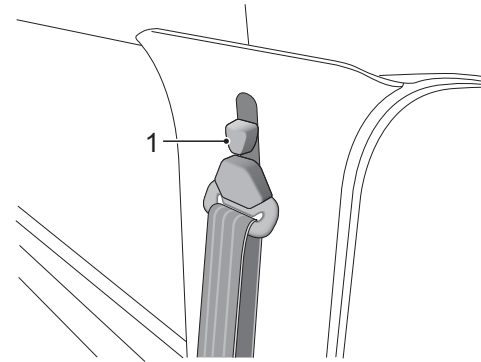
## Belt height adjustment

**!** Ensure that the sliding adjuster is secure after making an adjustment.

**Do not adjust the height of the driver's seat belt while driving, as vehicle control may be lost.**

Only the driver's seat and front occupant seat diagonal belts are adjustable for height.

Press the knob (1) and slide the seat belt top sliding adjuster up or down to suit the height of the occupant. Release the button (1) at the proper position.



## Seat belt pre-tensioner



**Do not tamper with or attempt to repair a pre-tensioner. It contains a pyrotechnic device and any repairs must only be carried out by our Service Dealer.**

**Pre-tensioners will not function after activation and must be renewed. In the event of a collision, ensure that pre-tensioner and all seat belt components are checked by our Service Dealer.**

The seat belt pre-tensioner works together with the air bag to reduce the risk of injury in the event of a head-on collision. See 'Airbag(s)' on Page 35 for further information.

## Airbag(s)



**No safety system can provide complete protection for personal injury or death in a severe crash. Injuries or death can occur, even if seat belts are worn properly and the air bags inflate.**

**After inflation some air bag components are hot - Do NOT touch until they have cooled.**

**An air bag inflates with considerable force and can cause facial abrasions and other injuries. These effects can be minimized by ensuring that you and your passenger(s) are wearing seat belts.**

**The driver's seat should be adjusted to be as far rearwards as possible while maintaining proper control of the vehicle.**

**Always hold the steering wheel by its rim, so that the air bag can inflate without obstruction.**

**Never attach accessory items e.g. a mobile phone bracket, cup holder, cassette tray etc., or stick anything to an air bag module cover on the steering wheel cover or the fascia. It could interfere with inflation of the air bag or, if the air bag inflates, be propelled into the vehicle to cause injury to occupants.**

**Do not allow a passenger to obstruct the deployment of the air bag by putting feet, knees etc. in contact with, or in close proximity to the air bag module cover.**

**Do not attempt to remove or pierce the steering wheel, or hit it violently.**

## Before You Drive

---

**Do not allow another person, animal or object to occupy the space between the driver and the deploying range of the airbag. The same applies on the passenger side if an airbag is fitted.**

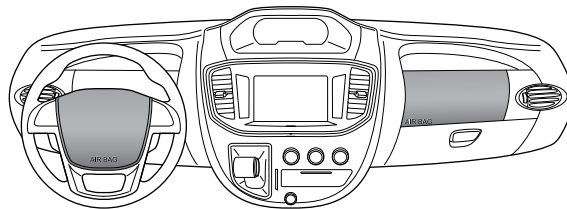
**Do not attempt to repair or tamper with the steering wheel, steering column, any air bag system or pre-tensioner component, or with wiring in the vicinity of an air bag component. It could cause inadvertent activation of the system resulting in personal injury.**

**Do not modify the front of the vehicle in any way as this could adversely affect air bag deployment.**

**If the vehicle is to be scrapped, undeployed air bags are potentially dangerous and should be deployed in a controlled environment. This operation must be done by professional staff.**

This model can be equipped with driver's airbag and front occupant airbag.

*Note: Air bags and pre-tensioners are designed to be a supplementary restraint system; seat belts remain the primary restraint and must be worn at all times.*



### Caution

- When an air bag is triggered a loud noise may be heard and a small amount of smoke-like gas and dust will be released. This smoke does not constitute a health hazard. The dust may be an irritant to the skin and therefore should be washed off with soap and water.
- For safety reasons you are recommended to have the air bag(s) renewed by our Service Dealer every 12 years. If the vehicle is sold, its owner is obliged to notify the purchaser of the cautions and warnings listed. This obligation is met by handing over these instructions (See Warranty & Service Handbook) to the new owner.

## Check of airbags and pre-tensioner



**If the light does not come on when the ignition is switched on, does not go out after 6 seconds, or comes on during a journey, there is a fault with either the seat belt pre-tensioner or air bag system. You should contact our Service Dealer immediately.**

As a system check, the 'Air Bag Warning Light (red)' on the information display will flash for around 6 seconds each time the ignition switch is turned to position 'ON'.



## Airbag deployment

In case of crash, airbag control unit will detect deceleration or acceleration caused by crash to determine airbag deployment.

Airbag will work based on the crash object, direction and vehicle deceleration rather than vehicle speed. Damage severity of vehicle shall not be considered as the judgment of airbag deployment.

Airbag will deploy instantaneously and powerfully with loud noise. The deployed airbag and seatbelt restraint system could restrain driver and passenger from moving, reducing the risk of injury to the head and body.

Upon deployment, the airbag will shrink immediately to ensure the driver could look forward without block.

*Note: Never touch the hot airbag parts after deployment until such parts get cooled.*

## Replace air bag system components after collision accident



**The air bag system could be damaged due to the collision accident thus cannot operate normally to protect you and passengers in future accidents. This will result in serious injury even death. To ensure the air bag system remains valid after the collision accident, consult our Service Dealer to make necessary replacement of components.**

Once the air bag inflates, it is required to replace the components of the air bag system. For purpose of inspection, contact our Service Dealer for repair as soon as possible.

# Before You Drive

---

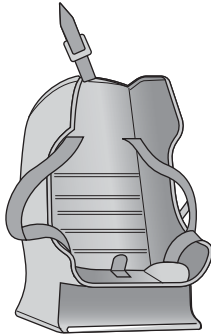
## Child restraint (not supplied with the vehicle)



**DEATH or SERIOUS INJURY can occur.**

**Children 12 and under can be killed by the air bag. NEVER use child or infant restraint that faces backward on the front seat and the expanded air bag will cause serious child or infant injury and even death. Sit as far back as possible from the air bag.**

**When fitting and using a child restraint, always follow the manufacturer's instructions.**



As the child is much easier to be injured by the expanded airbag than an adult, so child under 12 years old is suggested taking the rear seat. Usually, infants under 2 years old shall use infant restraint and children under 2-4 years old shall use child restraint. Infant or child restraint is available in the market.

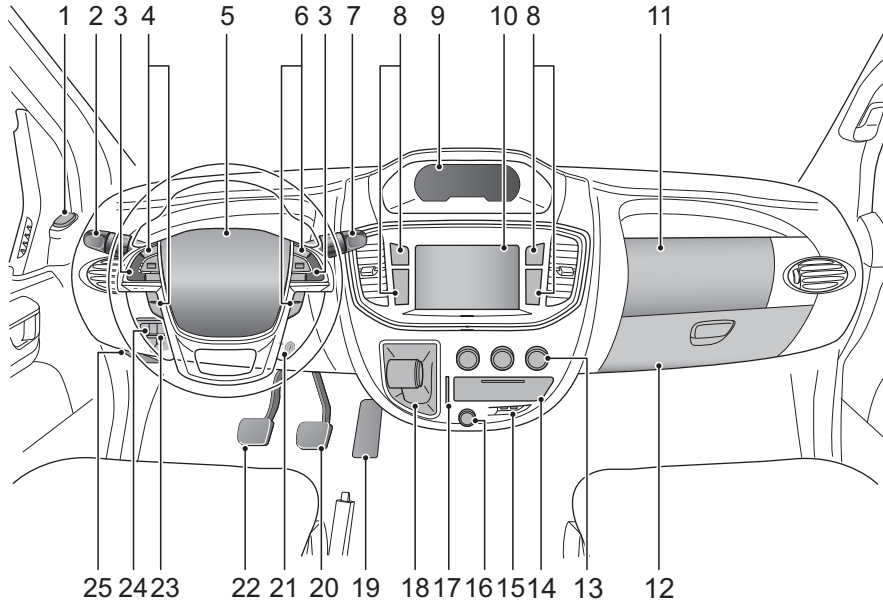
There are many specifications and models for infant or child restraint and to realize best protection, you are suggested selecting proper restraint in accordance with the age and weight of the infant or child. At the same time, you should check that the restraint is suitable for your vehicle as well.

### Caution

It is preferable to fit the infant or child restraint on the rear seat. In the case the infant or child restraint shall be positioned on the front seat while the vehicle is in motion, infant or child restraint must face forward. No matter what location, ensure properly secure the infant or child restraint. Note that unsecured infant or child restraint may move and run into other passengers when any crash or heavy braking occurs. Even if there is no infant or child, any infant or child restraint shall be properly secured in the vehicle.



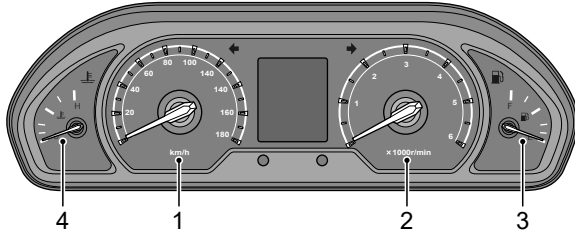
## Instruments and controls



- 1 Outside rear view mirror power adjusting switch
- 2 Lights/direction indicators switches
- 3 Horn push button
- 4 Cruise switch
- 5 Driver's airbag
- 6 Volume control, mute, audio source and Bluetooth phone switch
- 7 Wiper/washer switch
- 8 Central Panel Switch
- 9 Instrument cluster
- 10 Entertainment system
- 11 Front occupant airbag
- 12 Glove box
- 13 Front AC, heating control switch
- 14 Cup holder
- 15 USB port
- 16 Cigarette lighter
- 17 Card slot
- 18 Gear lever
- 19 Accelerator pedal
- 20 Brake pedal
- 21 Ignition switch
- 22 Clutch pedal
- 23 Headlamp leveling switch
- 24 Central door locking switch
- 25 Engine hood release handle

# Before You Drive

## Instrument cluster



- 1 Speedometer
- 2 Tachometer
- 3 Fuel gauge
- 4 Engine coolant temperature gauge

### Caution

Do not obscure dials and warning lights by placing objects in front of the instrument cluster.

## Speedometer

The speedometer indicates the current road speed in km per hour.

### Caution

According to local laws and regulations, when your vehicle speed exceeds a certain value (eg.100 or 120 km per hour), the instrument cluster will sound the alarm, please appropriate to reduce the speed.

## Tachometer

The tachometer indicates the engine speed in RPM x 1000 (revolutions per minute).

### Caution

Do not drive the vehicle at maximum engine revs (in the indicated red band) for long periods; it can damage the engine.

## Fuel gauge

The pointer indicates the approximate amount of fuel in the fuel tank when the ignition switch is 'ON'. When the AMBER warning light on, please fill up fuel as soon as possible.

### Caution

Do not allow the pointer to reach the red 'E' mark before refueling.

## Engine coolant temperature gauge

The pointer indicates the engine coolant temperature when the ignition switch is 'ON'.

Normal temperature is indicated when the pointer is approximately in the centre of the scale. A RED warning light in the gauge will illuminate if the coolant is becoming too hot.

### Caution

If the RED warning light illuminates, stop the engine as soon as it is safe to do so and allow to cool. Check the engine cooling system.

## Information center

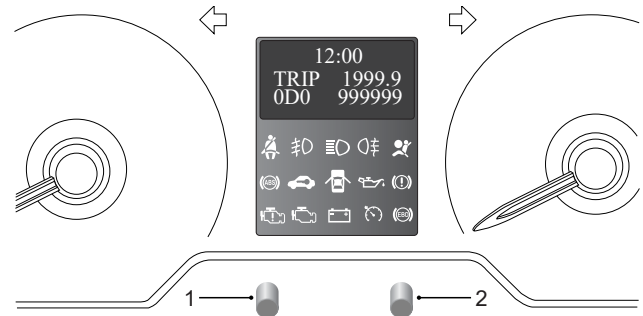
Information center display locates at the middle of instrument cluster. At the bottom of the display is the interface of warning lights and indicators. See 'Warning lights and indicators' on Page 46.

### Information center (type 1)

When the tyre state is normal, the upper of the display can display the clock, individual journey, total distance, tyre pressure and temperature, etc.

Short press (1) (less than < 1 sec) to switch the interface of clock, individual journey and total distance to the tyre pressure interface. Then short press (1) to switch to tyre temperature interface and continue to return to the interface of clock, individual journey and total distance.

When the tyre state is abnormal, TMPS alarms will be displayed at the upper of the display.



# Before You Drive

- **Clock**

In hrs/min (at the uppermost of the display).

Clock settings:

Press and hold (2) (above 2 sec) to enter the hour setting mode when the hour value will flash. Short press (2) (less than 1 sec) to set the hour value. No press (2) within 5 seconds to enter the minute setting mode when the minute value will flash. Short press (2) (less than 1 sec) again to set the minute value (If the minute value is over 60, the hour value will not be affected). No press (2) within 5 seconds to exit the clock setting mode.

*Note: If the battery is disconnected, the time should be reset.*

*Note: For vehicles equipped with large-screen display for entertainment system, the clock of the instrument cluster is automatically synchronized with the system. However, under certain abnormal circumstances, for example, the entertainment system cannot work properly or the communication between the entertainment system and the instrument cluster is abnormal, manual setting of the instrument cluster clock will be required.*

- **Individual journey (TRIP)**

Displaying the distance travelled after the last setting.

Individual journey reset:

Short press (2) (less than 1 sec) to clear the current displayed individual journey. The clear times are not limited.

- **Total distance (ODO)**

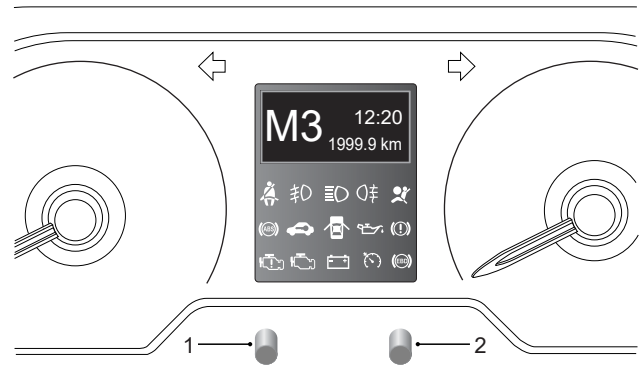
Displaying total distance travelled.

*Note: The total distance can not be cleared.*

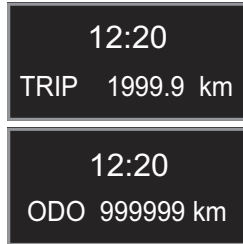
## Information center (type 2)

When there is no alarm message, the upper part of the display can show clock, single trip, total mileage, AMT mode and gear position, remaining mileage to next maintenance, tyre pressure, tyre temperature, urea level and other relevant information.

Short press the button (1) (time <1s) to achieve the switching among single trip, total mileage, remaining mileage to next maintenance, tyre pressure, tyre temperature and urea level interface.



## Individual journey interface and total distance interface of manual transmission



## Individual journey interface and total distance interface of AMT transmission



- **Clock**

In hrs/min (at the uppermost of the display).

Clock settings:

Press and hold (2) (above 2 sec) to enter the hour setting mode when the hour value will flash. Short press (2) (less than 1 sec) to set the hour value. No press (2) within 5 seconds to enter the minute setting mode when the minute value will flash. Short press (2) (less than 1 sec) again to set the minute value (If the minute value is over 60, the hour value will not be affected). No press (2) within 5 seconds to exit the clock setting mode.

*Note: If the battery is disconnected, the time should be reset.*

*Note: For vehicles equipped with large-screen display for entertainment system, the clock of the instrument cluster is automatically synchronized with the system. However, under certain abnormal circumstances, for example, the entertainment system cannot work properly or the communication between the entertainment system and the instrument cluster is abnormal, manual setting of the instrument cluster clock will be required.*

- **Individual journey (TRIP)**

Displaying the distance travelled after the last setting.

Individual journey reset:

Short press (2) (less than 1 sec) to clear the current displayed individual journey. The clear times are not limited.

- **Total distance (ODO)**

Displaying total distance travelled.

*Note: The total distance can not be cleared.*

- **Mode of AMT transmission**

Display Auto(S), Manual(M), Eco(E) and Sport(S).

- **Gear of AMT transmission**

Display 1, 2, 3, 4, 5, 6, N, R.

# Before You Drive

- **Remaining mileage to next maintenance**

Displays the vehicle's remaining mileage to next maintenance.

- **Urea interface**

Display the vehicle's urea level.

### Alarm Message Interface

#### Prompt alarm interface

- Auto Light On
- Auto Light Off
- Lane Change Assist On
- Lane Change Assist Off

*Note: The above interface is the prompt interface with an audible reminder, which will disappear automatically after 2 seconds.*

#### Maintenance alarm interface

- Maintenance approaching, pls maintain your vehicle ASAP
- Maintenance overdue, pls maintain your vehicle immediately

#### Fatigue driving alarm interface

- Please take a break!

Extended period of driving, please take a break!

#### Urea alarm interface

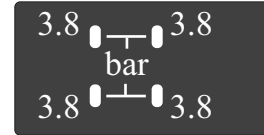
- AdBlue level low, can continue to drive XXXkm
- AdBlue level low, can continue to drive XXXkm, refill soon
- AdBlue level empty, refill to start the engine
- AdBlue system fault, service is required, can continue to drive XXXkm

#### Other alarm interfaces

- Overspeed alarm
- Brake pedal not depressed alarm

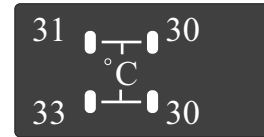
### Tyre pressure interface

Display the tyre pressure and whether in the normal range



### Tyre temperature interface

Display the tyre temperature and whether in the normal range



#### Caution

If the communication between the instrument cluster and the TPMS is not successful, the above 2 tyre interfaces will not be displayed.

## TPMS alarms

### Warning alarm interface

TPMS warning alarm interface includes: high temperature alarm, sensor low battery alarm and system failure alarm. When the TPMS is in the warning alarm state, the YELLOW TPMS warning light on the lower right of the instrument cluster will come on with bleeper sending out short intermittent beeps. If so, contact our Service Dealer for repair immediately.

### Critical alarm interface

TPMS critical alarm interface includes: fast air leakage alarm, high pressure alarm, low pressure alarm and ultra-high temperature alarm. When the TPMS is in the critical warning alarm state, the YELLOW TPMS warning light on the lower right of the instrument cluster will come on with bleeper sending out long intermittent beeps. If so, contact our Service Dealer for repair immediately.

### Hardware failure display interface

When the instrument cluster fails to receive TPMS signals for a long time after the successful establishment of communication with the TPMS, the YELLOW TPMS warning light on the lower right of the instrument cluster will come on. If so, contact our Service Dealer for repair immediately.

#### Caution

If same alarms exist in several tyres, there will be several tyre signs flashing simultaneously in the same alarm interface. If there are two or more different alarms, alarm interfaces will be switched with the priority.

## Display brightness adjustments

When the ignition switch is turned to position 'ON', and the illumination switch is on, press (1) to adjust the backlight brightness (5 degrees) of the display. Press and hold (1) (above >2 sec) to make it gradually dimmed and return to the highest brightness when lowest is reached.

*Note: The lowest brightness is dark.*

## Warning lights and indicators

Most of warning light and indicators are located at the bottom of information center display; others are located at the lower left/right of the instrument cluster.

### Direction indicator



The appropriate GREEN light will flash during direction signal operation.

*Note: If a direction indicator flashes rapidly, it indicates that the bulb in this external direction indicator does not lit.*

*Both lights will flash when the hazard warning switch is operating*

### Fuel filter water level warning light



The AMBER fuel filter level warning light on the lower right of the instrument cluster will come on to initiate a system check when the ignition switch is turned to position 'ON' and will go out after one second.

#### Caution

If the light comes on during a journey, stop the vehicle as soon as it is safe to do so and drain water from the trap in the fuel filter. See 'Emergency Troubleshooting - Water draining of fuel filter' on Page 146.

## Glow plug indicator



The AMBER glow plug indicator on the lower right of the instrument cluster will come on when the ignition switch is turned to position 'ON'. After a pre-determined time the light will go out to indicate that the engine is ready to be started.

#### Caution

See a Service Dealer for repair if the light remains on after the engine has started.

## TPMS warning light



The YELLOW TPMS warning light on the lower right of the instrument cluster will come on when the ignition switch is turned to position 'ON' and when the communication between the instrument cluster and TPMS is achieved and will go out after around 2 seconds. When the tyre pressure or temperature is out of the normal range, the YELLOW TPMS warning light on the lower right of the instrument cluster will come on. See 'TPMS alarms' on Page 45 for further information.



## Transmission fault warning lamp



In case of "transmission fault indicator (yellow)" lighting on that indicates transmission fault, an authorized service provider shall be contacted immediately for maintenance and repair.

In case of "transmission fault indicator (yellow)" lighting on and buzzer buzzing that indicates clutch overheating, the vehicle shall be parked in a safe place for 5 minutes at least before driving again.

## Power side stepwell indicator



The AMBER power side stepwell indicator on the lower left of the instrument panel will go out when the ignition switch is turned to position 'ON' and when the stepwell is at the minimal retraction position; when the power side stepwell is extending or retracting, the indicator will flash; when the power side stepwell is at the maximum extension position, the indicator will remain on; when the power side stepwell is not at the maximum extension position or the minimum retraction position, the indicator will flash.

## ESP (Electronic Stability Program) indicator



With ignition switch turned into ON position, ESP indicator (yellow) lights on for 3 seconds while the system performs self diagnosis.

ESP indicator (yellow) flashes when ESP working normally during driving.

ESP indicator (yellow) lights on when ESP failed, for which an authorized service provider shall be contacted for repair. For more information about ESP, please see important ESP information in "Starting and driving - Braking system" on Page 118.

## ESP (Electronic Stability Program) OFF indicator



With ignition switch turned into ON position, ESP OFF indicator (yellow) lights on for 3 seconds while the system performs self diagnosis.

ESP OFF indicator (yellow) lights on when ESP function turned off by pressing down ESP OFF switch.

## Headlamp main beam indicator



The BLUE headlamp warning light on the information center display will glow when the headlamps are on main beam or flash on.

## Air bag warning light



The RED air bag warning light on the information center display will come on to initiate a system check when the ignition switch is turned to position 'ON' and will go out after around 6 seconds.

If the light fails to come on, or fails to go out, or if it comes on while driving, it means that there is a malfunction in the system. You should contact our Service Dealer immediately.

For further information on the air bags, see 'Airbag(s)' on Page 35.

## Exhaust fault indicator light



The AMBER exhaust fault indicator light on the information center display will come on when the ignition switch is turned to the position 'ON' and will go out when the engine is started.

### Caution

If the exhaust fault indicator light stays on or comes on during a journey, this indicates that a malfunction has occurred in one of the vehicle's emission related operating systems. You should contact our Service Dealer immediately, avoiding high engine speeds or high acceleration.

## Oil pressure warning light



The RED oil pressure warning light on the information center display will come on when the ignition switch is turned to position 'ON' and will go out when the engine is started.

If the light continues to glow when the engine is running, or comes on during a journey, stop the engine immediately and check the oil level. You should contact our Service Dealer immediately. See 'Maintenance and Service - Engine oil' on Page 164 for further information.

### Caution

Do NOT restart the engine even if the oil level is normal and contact our Service Dealer immediately.

## Engine MIL



The AMBER engine MIL on the information center display will come on to initiate a system check when the ignition switch is turned to position 'ON' and will go out after around 2 seconds.

If the light fails to go out when the engine is started, or if it comes on or flashes while driving, there is a fault with engine control system.

If the warning light comes on and the vehicle can still be driven, contact our Service Dealer immediately. At this time you can still drive the vehicle. If the warning light comes on and the vehicle can not be driven, contact our Service Dealer immediately.

If the warning light flashes, it indicates that the soot particles in the diesel particle filter (DPF) are in excess of the standard value. The following operations can prevent the blockage of DPF:

- Drive the vehicle at 60km/h or higher.
- Drive the vehicle continuously for approximately 15min.
- Place the gearshift lever at 4th or 5th gear.
- Maintain the engine speed at approximately 2,000r/min.

After the above operation, the warning light still flashes, please contact our service sealer for checking and repair as soon as possible.

If the warning light flashes and the exhaust fault indicator light



also comes on, please contact our service sealer for checking and repair as soon as possible.

## Brake system warning light



The RED brake system warning light on the information center display will come on when the ignition switch is turned to the position 'ON' and the handbrake is lifted up and will go out immediately when the handbrake is fully released.

If the light fails to go out when the handbrake is released, there is a fault with the brake system. You should stop the vehicle and contact our Service Dealer immediately.

## Seat belt warning light



The RED seat belt warning light on the information center display will come on when the ignition switch is turned to position 'ON' and when the driver's seat belt is incorrectly fastened. When the vehicle speed exceeds 5km/h, the audible warning of seat belt not fastened will also sound. The RED seat belt warning light will go out and the audible warning will extinguish when the seat belt is correctly fastened.

## Battery no-charge warning light



The RED battery no-charge warning light on the information center display will come on when the ignition switch is turned to position 'ON' and will go out when the engine is started.

### Caution

If the light fails to go out when the engine is started, or if it comes on while driving, there is a fault with charging system. You should contact our Service Dealer immediately.

## Security warning light



The AMBER security warning light on the information center display will dimmed forever when the ignition switch is turned from 'LOCK' to 'ON' with a successful authentication.

If the AMBER security warning light flashes, there is a fault with the engine immobilisation system. The engine will be unable to start and you should contact our Service Dealer immediately.

## Cruise control indicator



With the ignition switch placed in 'ON' position, when the cruise system is in standby state, the Cruise control indicator (white) illuminates, when the system is in activation state, the Cruise control indicator (green) illuminates. See 'Starting and Driving - Cruise control system' on Page 124 for further information.

## ABS (Anti-lock Braking System) warning light



The AMBER ABS warning light on the information center display will come on when the ignition switch is turned to the position 'ON', and will go out after approximately 2 seconds.

If the ABS warning light fails to go out or illuminates again while driving, there is a fault in the ABS. You should contact our Service Dealer immediately.

*Note: The brake system can be used even if ABS is faulty (ABS failure). See 'Starting and Driving – Brake system' on Page 118 for important information about ABS.*

## Door open warning light



The RED door open warning light on the information center display will illuminate if any door is not fully closed. The RED door open warning light will extinguish after all doors are fully closed.

Close all doors before driving.

## EBD (Electronic Brake Distribution) warning light



The RED EBD warning light on the information center display will come on when the ignition switch is turned to position 'ON' and will go out after approximately 2 seconds.

If the EBD warning light fails to extinguish, or illuminates again while driving, there is a serious fault in the braking system since faults are easily to occur when braking. You should contact our Service Dealer immediately.

## Front fog light indicator



This GREEN light on the information center display illuminates whenever the front fog lights are on.

## Rear fog light indicator



This AMBER light on the information center display illuminates whenever the rear fog lights are on.

## AdBlue Warning Lamp



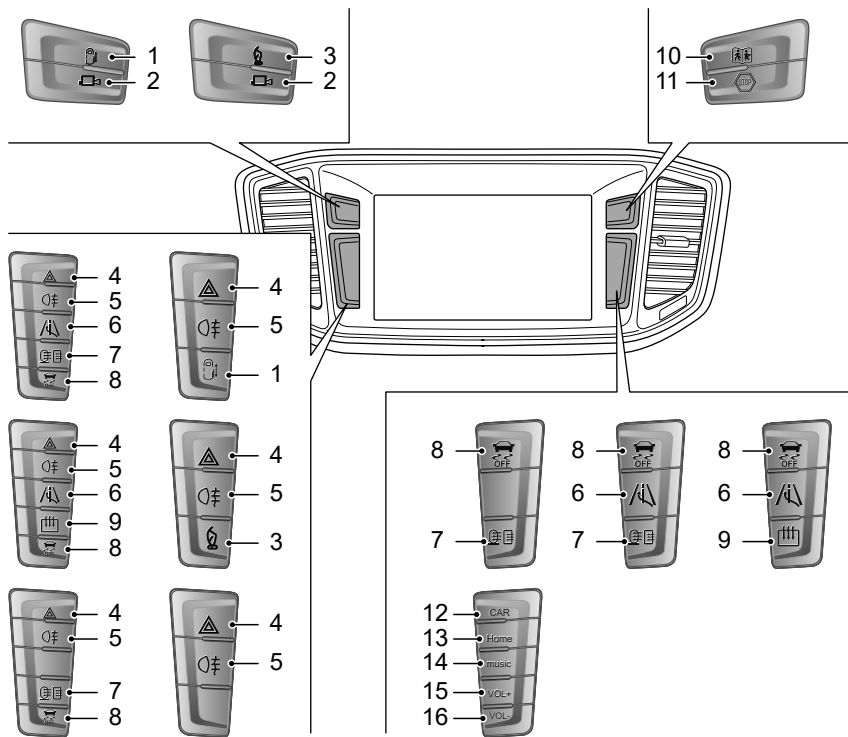
When the urea level is low, the AdBlue warning light illuminates. Please refill the urea as soon as possible.

As the level drops, the warning lamp flashes faster until the engine stops working.

When the urea is unqualified, the AdBlue warning lamp illuminates, please contact Service Dealer of our company for service as soon as possible.

## Instrument desk switches


### Central Panel Switch



- 1 Electric Outer Swing Door Switch
- 2 Image Changeover Switch
- 3 Parking Heater Switch
- 4 Hazard Warning Lamp Switch
- 5 Rear Fog Lamp Switch
- 6 Lane Change Assist Switch
- 7 Defrost Heater Switch (with rearview mirror and rear window heater)
- 8 ESP OFF Switch
- 9 Defrost Heater Switch (with rear window heater)
- 10 School Bus Marker Lamp Control Switch
- 11 Stop Sign Control Switch
- 12 Vehicle Personalization Set Switch
- 13 Main Interface Mode Switch
- 14 USB Music Mode Switch
- 15 Volume Up Control Switch
- 16 Volume Down Control Switch


## 1 Electric Outer Swing Door Switch

*Note: Apply to vehicles with electric outer swing door.*

Press the switch  to open the electric outer swing door, and press again to close.


## 2 Image Changeover Switch

*Note: Apply to school bus.*


With the ignition switch in "ON" position, press the switch  and wait for 55 seconds, the entertainment system display will simultaneously show the images monitored by the internal and external cameras (5 in total).

After shifting to the R gear, the image on the display will be automatically switched to the operating state of the reverse camera, and the display will show the scene image behind the vehicle for the driver's reference during reversing.

## 3 Parking Heater Switch


With the ignition switch in "ON" position, press the switch  to start the parking heater, and the indicator on the switch will illuminate; press again to close and the indicator will go out.

## 4 Hazard Warning Lamp Switch

Press the switch  to activate all the direction indicator lamps simultaneously, and the "Direction Indicator Lamp (green)" on the instrument cluster will illuminate and flash. Press the switch again to turn off the above lamps.

*Note: Turn on the hazard warning lamps to inform other road users that your vehicle has a malfunction and approaching may be dangerous.*


## 5 Rear Fog Lamp Switch

Press the switch  to turn on the rear fog lamp, "Rear Fog Lamp Indicator (yellow)" on the information center display will illuminate, meanwhile, the "Rear Fog Lamp Indicator (yellow)" on the switch will also illuminate. Press the switch again to turn off the above lamps.


*Note: Only when the ignition switch is placed in "ON" position and the lighting switch in "Headlamp" position (and the front fog lamp switch, if equipped, shall also be placed in "ON" position) can the switch work.*

*Note: Rear fog lamps shall not be used until the visibility is obviously restricted (such as heavy fog or snow).*

## 6 Lane Change Assist Switch

Press the switch  to turn off the lane change assist system, and the switch indicator goes out.

## 7 Defrost Heater Switch (with rearview mirror and rear window heater)


Only when the engine runs can the defrost heater start to work. Press the switch , the "Heater Indicator (yellow)" on the switch illuminates to indicate that the rearview mirror and rear window heater are turned on; press the switch again to turn them off, and the indicator goes out.

# Before You Drive


---

*Note: If the switch stays on due to negligence, it will automatically turn off after about 15min.*

## 8 ESP OFF Switch

Press the switch  to turn off the ESP system, and press again to start.


## 9 Defrost Heater Switch (with rear window heater)

Only when the engine runs can the defrost heater start to work. Press the switch , the "Heater Indicator (yellow)" on the switch illuminates to indicate that the rear window heater is turned on; press the switch again to turn it off, and the indicator goes out.

*Note: If the switch stays on due to negligence, it will automatically turn off after about 15min.*


## 10 School Bus Marker Lamp Control Switch

*Note: Apply to school bus.*

Place the ignition switch in "ACC" position, and press the switch , the outer roof display and the top warning lamp automatically turn on.

## 11 Stop Sign Control Switch

*Note: Apply to school bus.*

Place the ignition switch in "ON" position, and press the switch , the Stop sign will automatically extend and open; press the Stop sign control switch again, the Stop sign automatically retracts.

## 12 Vehicle Personalization Set Switch

Press CAR to check the vehicle personalization setting function.

## 13 Main Interface Mode Switch

Press HOME to return to the entertainment system homepage; long press HOME for 3 seconds to enter the DO NOT DISTURB mode; long press the entertainment system for 10 seconds to restart.

## 14 USB Music Mode Switch

After inserting the USB drive, press MUSIC to enter the Music Play Mode.

## 15 Volume Up Control Switch

Press VOL+ to increase the volume.

## 16 Volume Down Control Switch

Press VOL- to decrease the volume.

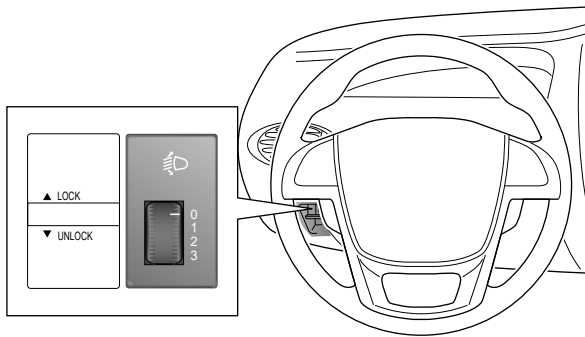
*Note: The switch type mentioned above shall be subject to the actual configuration of the vehicle you purchased.*



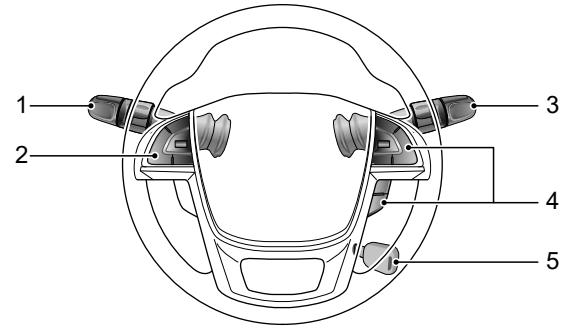
## Headlamp leveling switch

When the dipped beam is on, this thumb-wheel switch allows you to adjust the headlamp beam angle, to compensate for varying vehicle loads and minimize dazzling oncoming traffic.

0 position is the original position. As the vehicle loads increase, adjust the illuminating height according to the sequence of 1-2-3.



## Switches on Steering column and Steering Wheel



- 1 Lighting and direction indicator lever switches
- 2 Horn, cruise switch
- 3 Wiper and washer lever switches
- 4 Horn, volume control, mute, audio source and Bluetooth phone switch
- 5 Ignition switch and steering lock

## Ignition switch and steering lock

When the key is removed, the steering lock will be activated and prevent the steering wheel from being turned.



To remove the key from the ignition switch, turn it anticlockwise to position 'ACC'. Then press the key in towards the ignition switch and continue to turn anticlockwise to position 'LOCK'. The key can now be removed.

**Note:** If the key is not removed from the ignition switch, an audible warning will sound when the driver's door is opened.

For further information about ignition switch positions, see 'Starting and Driving - Ignition switch' on Page 100.

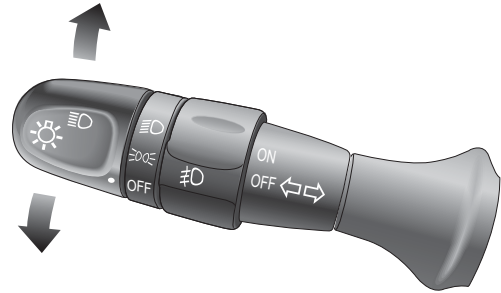
## Lighting and direction indicator lever switches

### Direction lights and indicators

Right turn — push the lever switch upward.

Left turn — pull the lever switch downward.

The appropriate GREEN light on the instrument panel will flash in time with the indicator lights.



## Main lighting

Rotate the switch to the desired position.

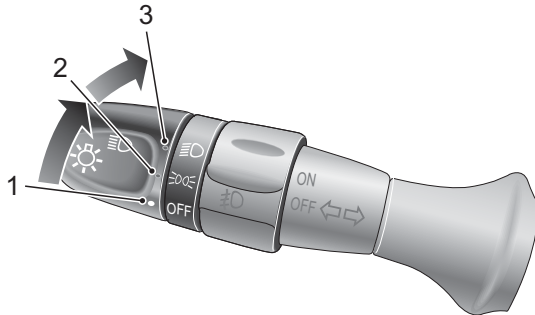
Position 1 — Off;

Position 2 — position lamp, number plate light and instrument panel illumination;

Position 3 — Headlamp.

*Note: Headlamps will only operate when the ignition switch is in position 'ON'. If headlamps are on when the vehicle is parked, the battery will discharge and the engine may be unable to restart due to battery lack of power.*

*A tone will sound if the headlamp switch is on when the ignition switch is turned to position 'LOCK' or when the key is removed.*

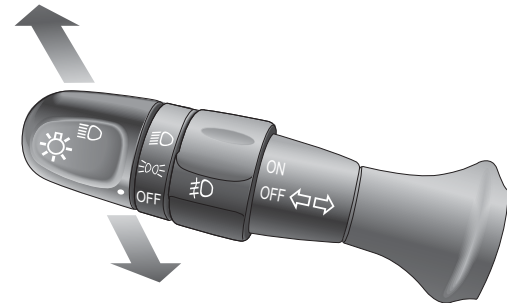


## Headlamp main and Dipped beams

Push the lever switch away from the steering wheel to change the headlamps from dip to main beam. Pull the lever switch towards the steering wheel to return to the dip beam position.

*Note: The BLUE headlamp main beam indicator on the information center display will illuminate when the headlamps are on main beam.*

To flash the headlamps, slightly lift the lever switch towards the steering wheel.

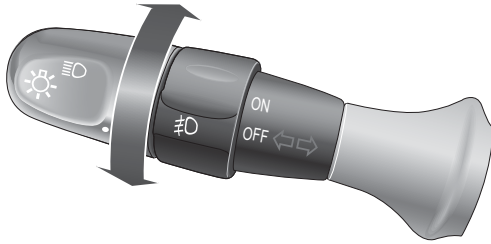


# Before You Drive

## Front fog lights

Rotate to the 'ON' position to turn the lights on. The GREEN front fog lights on the information center display will illuminate when the front fog lights are on. Rotate the switch to 'OFF' to turn the lights off.

*Note: The front fog lights will operate only when the position lamps or headlamps are on.*



## Wiper and washer lever switches

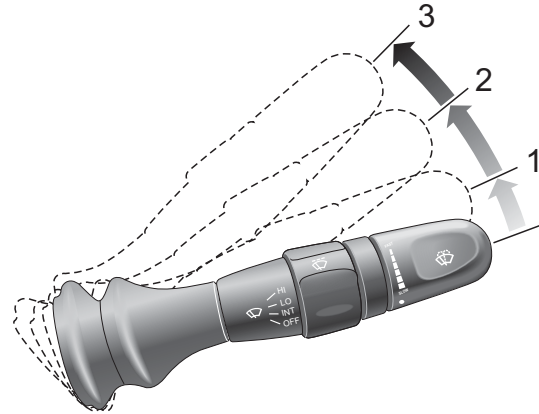
### Wipers

Move the lever switch to the desired position.

Position (1) 'INT' — Intermittent wipe.

Position (2) 'LO' — Normal speed wipe.

Position(3) 'HI' — Fast speed wipe.

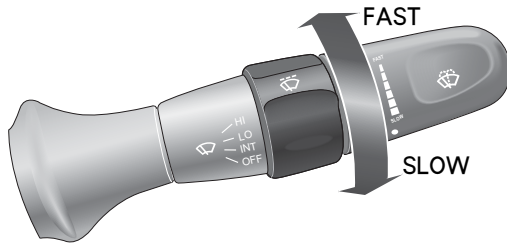


# Before You Drive

## Intermittent wipe/variable delay

**!** Worn wiper blades may not clear the windscreen properly, thus reducing forward visibility and be the cause of an accident. Always renew worn wiper blades immediately.

Rotate the switch to vary the delay between wipes when the lever switch is in the 'INT' position.



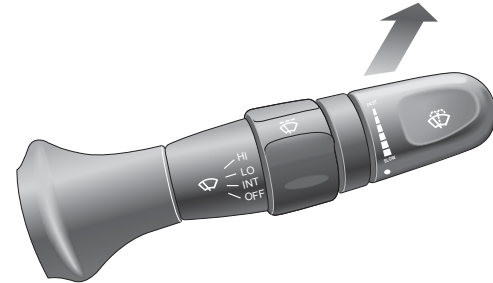
### Caution

In freezing or very hot conditions, to prevent damage to the wipers, ensure the blades are not frozen or otherwise adhering to the glass, and clear the screen of obstructions such as snow. Do not operate wipers when windscreen is dry. It can scratch the glass, cause the blades to wear prematurely and obscure vision.

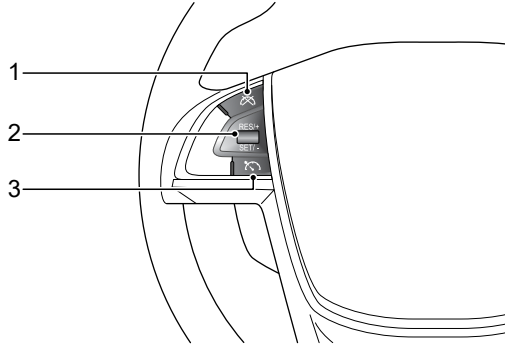
## Washers


Pull the lever switch towards the steering wheel. The washer will operate immediately. After a short interval, the wiper will operate with the washer. The washer will be off when the lever switch is released.

*Note: The wipers will continue to operate for 3 wipes after the lever switch is released.*



## Cruise switch




Position 1 —  : Cruise cancellation switch. Press this button to cancel the cruise function without clearing the set speed in storage.

Position 2 — Cruise speed setting switch.

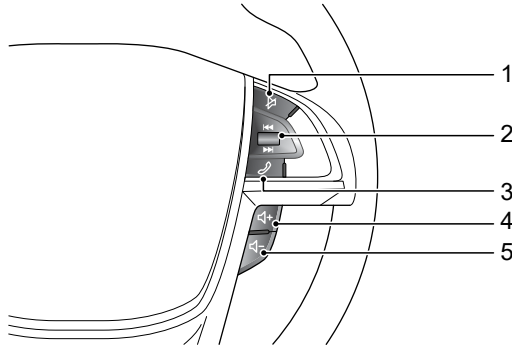
- RES/+: Cruise recovery/acceleration switch. To store the set speed, move the thumbwheel upwards to recover this speed. Move the thumbwheel again to accelerate (1km/h per time). The instrument cluster will display the corresponding target speed.
- SET/-: Cruise setting/deceleration switch. Move the thumbwheel downwards to set the speed. Then the cruise function will be enabled and the cruise indicator lamp on the instrument cluster will turn green from white. If the

cruise function is enabled at this time, move the thumbwheel downwards to lower the cruise speed (1km/h per time). The instrument cluster will display the corresponding target speed.

Position 3 —  : Cruise on/off switch. Press this button to turn on/off the cruise control system. Meanwhile the "cruise indicator lamp" on the instrument cluster will illuminate/go off correspondingly.

Note: Please refer to Cruise Control System in the Starting and Driving section for more description about cruise function.


## Volume control, mute, audio source and Bluetooth phone switch




Position 1 —  : Mute switch.

Position 2— Audio source and control thumbwheel switch upwards or downwards.

- SRC: Audio source switch. Repeat pressing this button to change playback mode. The system will cycle among the following options: radio, music, etc.
- Control the thumbwheel knob upwards or downwards: move the thumbwheel upwards to select the previous preset station or previous CD/MP3 track; move the thumbwheel downwards to select the next preset station or next CD/MP3 track.

Position 3 —  : Bluetooth phone switch. This button is the phone answering switch when Bluetooth is connected. In the general calling state: In case of an incoming call, short press this button to answer; long press this button to hang up; during a call, short press this button to hang up. In the call waiting state: Short press this button to hang up the call waiting; long press this button to answer the call waiting.

Position 4 —  : Volume up control switch.

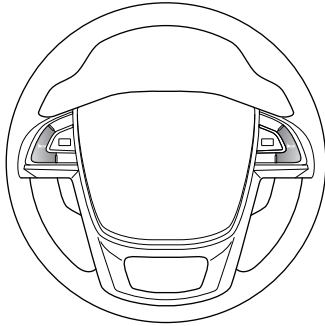
Position 5 —  : Volume down control switch.

# Before You Drive

---

## Horn

The horn can operate when the button is pressed, regardless of the ignition switch position.



## HVAC

The air conditioning system cools the air and removes moisture and dust e.g. pollen.

The heating system uses heat from the engine to warm the air inside the cab; therefore full heating is not available until the engine has reached its normal operating temperature.

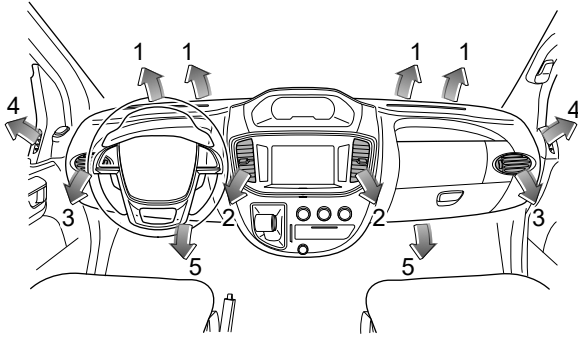
The ventilation system ensures the interior ventilation when the vehicle is moving.

The air quantity at the vents is regulated by the front and rear blower control switches.

HVAC is used to control the interior cooling, heating and ventilation. The fresh air enters the vehicle through the front window inlet grille via the AC filter. The inlet grille should keep clean, without obstructions like leaves, snow or ice.



## Front ventilation

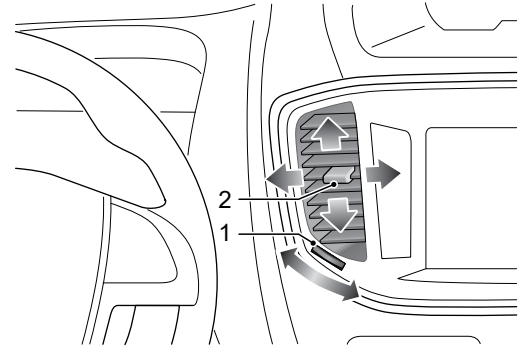


- 1 Front windscreen vents
- 2 Center vents
- 3 Side vents
- 4 Front window vents
- 5 Front footwell vents

## Centre ventilation vents

Rotate the thumb-wheel (1) to adjust the air quantity at the vents.

The direction of air flow can be changed by moving the plate (2) in the center of the grille upward, downward, leftward and rightward.

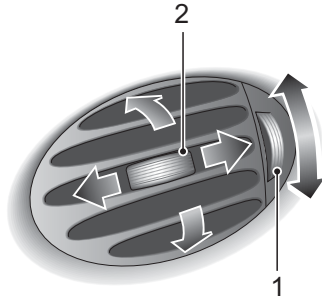


# Before You Drive

---

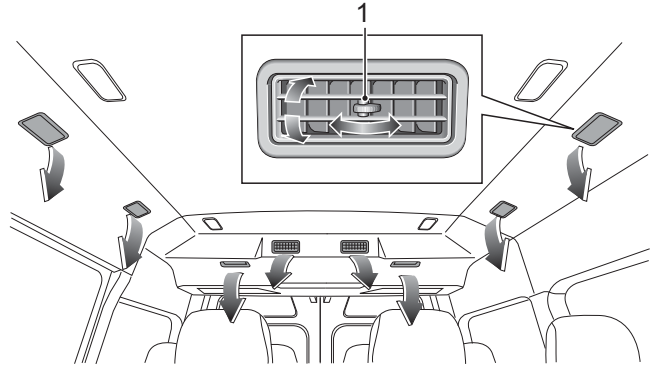
## Side vents

Rotate the thumb-wheel (1) to adjust the air quantity at the vents. The direction of air flow can be changed by revolving the grille upward and downward, and moving the slider (2) in the center of the grille.

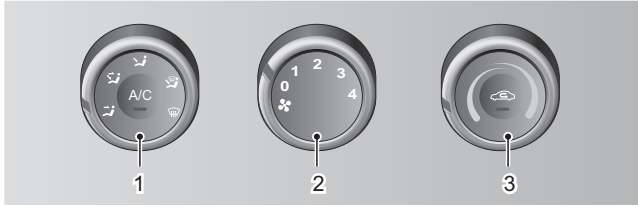


## Rear ventilation

The direction of the air flow can be changed by revolving the grille or moving the plate (1) in the center of the grille.



## Front air condition and heating control switches



- 1 A/C switch/air direction knob.
- 2 Front blower control knob.
- 3 Recirculation switch/Temperature control knob.

## Air conditioning switch



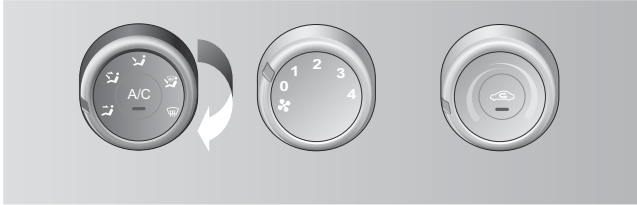
Start the engine and turn the front blower control knob to the desired position and press the A/C switch. The indicator on the switch will illuminate, indicating that air conditioning system has been turned on.

Press the A/C switch again to turn the system off.






**Note:** The front blower control knob must be turned to '0' position or higher before pressing the A/C switch. If the front blower control knob remains on the '0' position, the A/C switch will flash three times after it is pressed.

# Before You Drive

## Air direction knob



Rotate the air direction knob to following icons to select the air distribution modes.

-  Air to the face. Air from the center and side vents.
-  Air to the face and foot. Air from the center and side vents, and from the front footwell vents.
-  Air to the foot. Air mainly from the front footwell vents, and a small amount from the front windscreen and side vents.
-  Air to the foot and front windscreen. Air from the front windscreen and front window vents, and front footwell vents.
-  Air to front windscreen. Air from the front windscreen vents and front window vents.

## Front blower control knob



Turn the control knob clockwise and select any position in all four positions to adjust the air quantity at the front vents.



Switch off the blower by turning the control knob fully anticlockwise.

## Recirculation switch

**!** Only use the recirculation mode for short periods of time. Become stuffy continued operation could cause the interior air to and induce drowsiness, and the windows may mist over.

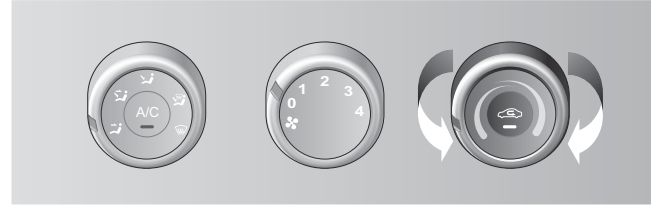


The indicator on the switch will illuminate when the recirculation switch is pressed, indicating that the interior recirculation is started. Press the switch again to start the exterior recirculation. The interior recirculation can also be used if you require a quick warm-up or cool-down of the interior air.

If the air direction knob is turned to  or , the exterior recirculation is default selected with the recirculation switch and the interior recirculation is selected on other modes.

**Note:** After a period of interior recirculation (apprx. 2 hours), the system will automatically switch to the exterior recirculation for another 1 minute.

## Temperature control knob



Rotate clockwise with the red arrow: temperature increases.

Rotate anti-clockwise with the blue arrow: temperature decreases.


## Front air conditioning and heating

### Maximum cooling

During hot weather, or when the vehicle has been standing in the sun for a lengthy period, the maximum cooling mode can be selected. Open a window briefly so that warm air can escape rapidly.

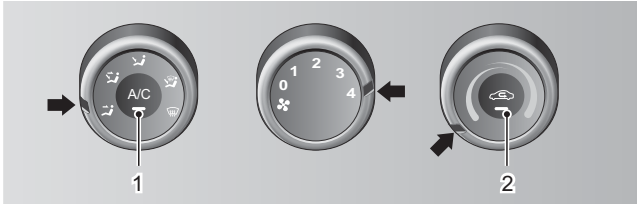
A/C switch: ON, indicator 1 ON

Recirculation switch: ON, indicator 2 ON

Air direction knob: 

Temperature control knob: Turn fully anti-clockwise (blue)

Front blower control knob: Speed 4 (maximum speed)





### Normal cooling

During inter-urban and motorway driving, the normal cooling can be selected.

A/C switch: ON, indicator 1 ON

Recirculation switch: OFF

Air direction knob:  or 

Temperature control knob: Turn to desired position in blue sector


Front blower control knob: As required

### Air to the face and foot

The 'Air to the face and foot' mode can be used during transitional periods, e.g. low outside temperature and little sunshine. Cooler and warmer air will be directed from the center and side vents and front footwell vents, when the temperature control knob is adjusted between cold (blue) and hot (red).

A/C switch: OFF

Recirculation switch: OFF

Air direction knob: 

Temperature control knob: Between cold (blue) and hot (red)



Front blower control knob: As required

### Ventilation

Outside air is directed through the centre and side vents.

A/C switch: OFF

Recirculation switch: OFF

Air direction knob:  or 

Temperature control knob: Turn to desired position in blue sector


Front blower control knob: As required

## Maximum heating

**!** Do not use 'Maximum Heating' for long periods of time; it may cause the interior air to become contaminated and the windows to mist over. If that happens, turn the recirculation switch off immediately.

A/C switch: OFF

Recirculation switch: ON, indicator 2 ON

Air direction knob: 

Temperature control knob: Turn fully clockwise (red)

Front blower control knob: Speed 4



Use 'Maximum Heating' only for quick heating; change to 'Normal Heating' mode as soon as possible.



## Normal heating

A/C switch: OFF



Recirculation switch: OFF

Air direction knob:  or 

Temperature control knob: Turn to desired position in red sector

Front blower control knob: As required



## De-misting/De-frosting

**!** Do not use the  or  position during cool operation in extremely humid weather. Or the difference between the temperatures of the outside air and the windscreen may cause the inside of the windscreen to mist over.

A/C switch: ON

*Note: Turn on the air conditioning to improve de-misting efficiency.*

Recirculation switch: ON

Air direction knob:  or 

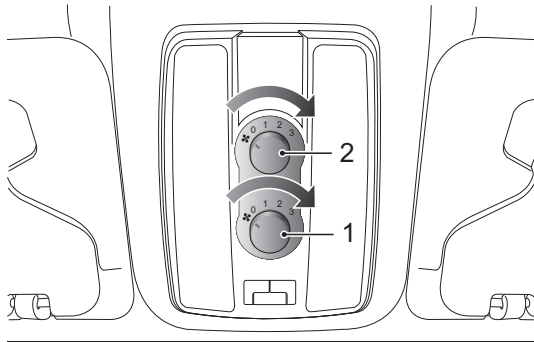
Temperature control knob: Turn to desired position in blue sector

Front blower air control knob: As required

## Rear air conditioning and heating

Rear air conditioning and heating is controlled by rear air conditioning and heating blower control knob. This switch is located at the center of the cab front roof. Turn the rear air conditioning and heating blower control knob clockwise to switch on the blower.

**Note:** Before the use of rear air conditioning, turn on the air conditioning switch. If the rear air conditioning blower control knob is turned to position '0', the blower will be shut off.



- 1 Rear air conditioning blower control knob
- 2 Rear heating blower control knob

## Air conditioning - operating tips

- If the vehicle has been parked in direct sunlight, open the windows before operating.
- To clear misted windows on rainy days, decrease the humidity inside the vehicle by operating the air conditioning. This is most effective during rainy weather and high humidity.
- Insufficient cooling may occur when driving in urban stop/start conditions.

**Note:** If the air conditioning system is not used for a month or more, run the engine at idle and turn on the system for at least 10 minutes once a month, even during winter months. This is to keep the compressor and seals properly lubricated, and prolong the service life of the system.

**Note:** Condensation may form on the evaporator when air conditioning has been used. Therefore you can expect to see a small puddle of water under the vehicle when stopped.



## Rear view mirrors

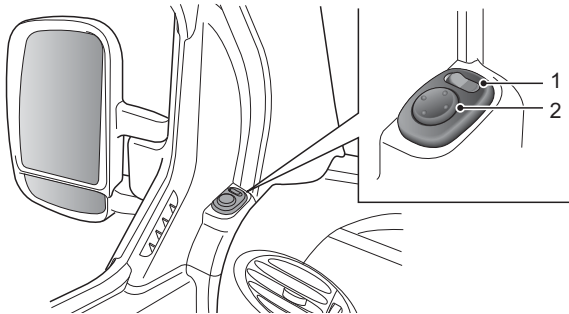
The external rear view mirror glasses are convex shaped to broaden the field of view: this makes objects appear smaller and further away than they really are.

### Caution

Always check all mirrors for cleanliness and positioning before driving; clean and adjust if necessary.

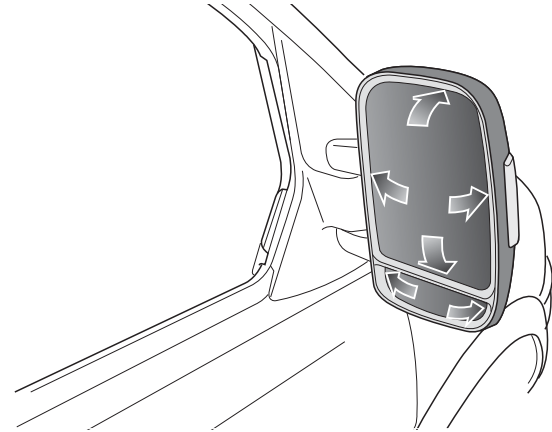
## Outside rear view mirrors - power adjustment

- Press the left or right hand side of the rocker switch (1) to select the mirror to be adjusted.
- Press the appropriate side of the round switch (2) to tilt the mirror up/down/left/right to the required position.
- Return the rocker switch (1) to the central position.



## Outside rear view mirrors - manual adjustment

Use hands to move the mirror directly to the desired angle as required.

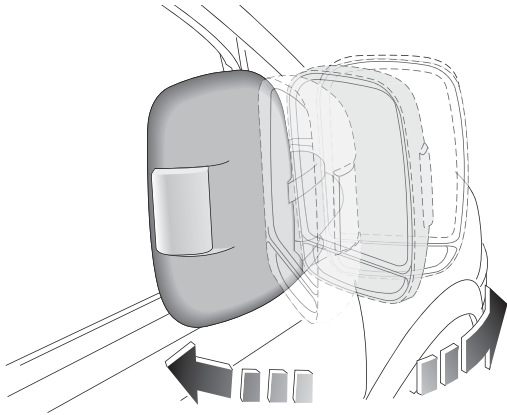


# Before You Drive

---

## Foldable rear view mirrors

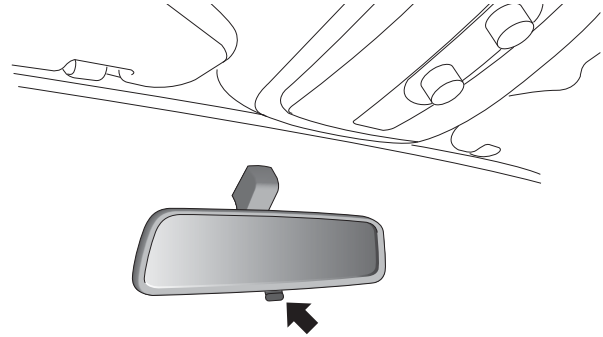
To protect the safety of pedestrians, the outside rear view mirrors will rotate to two sides from the normal installation position when suffering a strong impact. They can be returned by applying a small amount of force on the rear view mirror frame.



## Interior mirror

Adjust the mirror to give the desired rearward view.

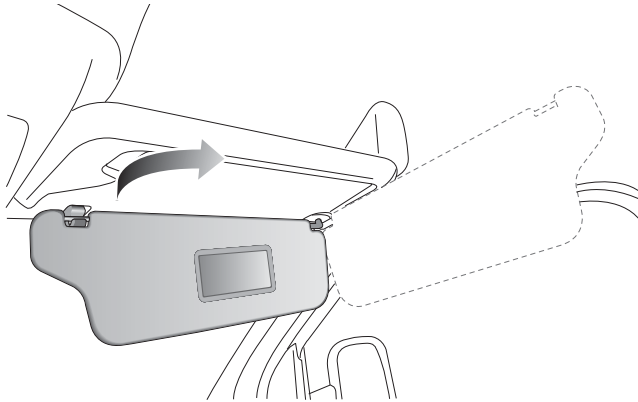
Operate the lever at the bottom of the mirror to reduce reflected glare from following vehicles at night.



## Internal equipments

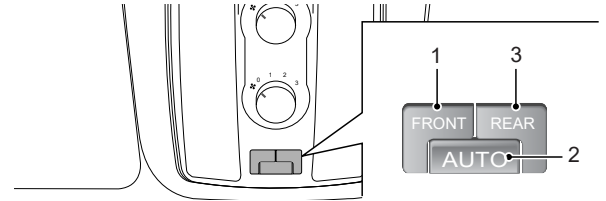
### Sun visors

Both sun visors can be swung up and down to provide a shield through the windscreen. In addition they can be pivoted as illustrated to shield through the side windows.



### Switches on the roof vanity light

#### Type 1



#### Manual operation

Press button (1) to turn on the front roof vanity light. Press the button again to turn off the front roof vanity light.

Press button (3) to turn on the rear roof vanity light. Press the button again to turn off the rear roof vanity light.

#### Automatic operation

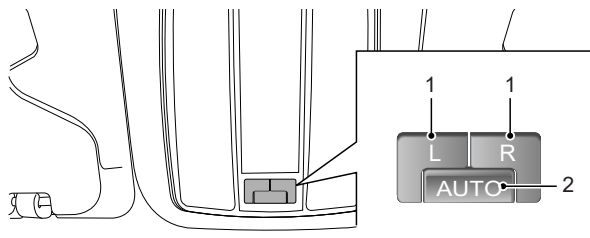
Press button (2) to enter 'Automatic ON' mode. The front roof vanity light will illuminate when any of driver's door, front occupant door or side load door is opened. The front roof vanity light will go out automatically after approx. 30 seconds the door is closed. Press button (2) again to turn off the 'Automatic ON' mode (manual operations are still available).

Press button (2) to enter 'Automatic ON' mode. The rear roof vanity light will illuminate when any door is opened. The rear roof vanity light will go out automatically after 30 seconds the door is closed.

**Note:** The front roof vanity light will go out automatically after approx.15 minutes if any of driver's door, front occupant door or

*side load door is opened to avoid battery lack of power. The rear roof vanity light will go out automatically after approx. 15 minutes any door is opened to avoid battery lack of power.*

## Type 2



### Manual operation

Press button (1) to turn on the front roof vanity light on the appropriate side. Press the button again to turn off the front roof vanity light on the appropriate side.

### Automatic operation

Press button (2) to enter 'Automatic ON' mode. The front roof vanity light will illuminate when one of driver's door or front occupant door is opened. The front roof vanity light will go out automatically after approx. 30 seconds the door is closed.

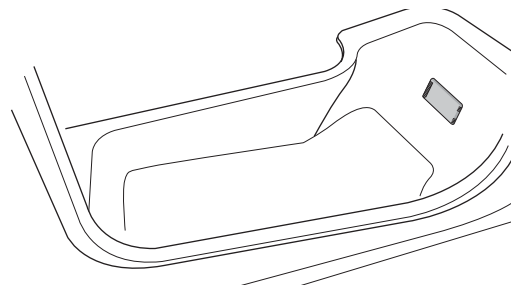
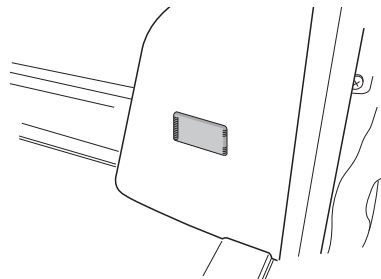
Press button (2) again to turn off the 'Automatic ON' mode (manual operations are still available).

*Note: The front roof vanity light will go out automatically after approx.15 minutes if one of driver's door or front occupant door is opened to avoid battery lack of power.*

## Stepwell light

The stepwell light will illuminate when any of driver's door, front occupant door or side load door is opened. The stepwell light will go out automatically after approx. 30 seconds the door is closed.

*Note: The stepwell light will go out automatically after approx. 15 minutes if any of driver's door, front occupant door or side load door is opened to avoid battery lack of power.*



## Cigarette lighter



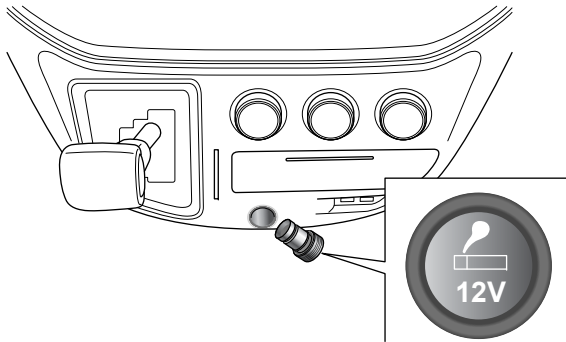
**Never hold the lighter in as this will result in damage.**

**Do not plug any accessory into the lighter socket.**

**Always remove the lighter as a precaution when children are left alone in the vehicle.**

**Always hold the lighter by the knob when in use; the barrel will be hot and could cause burns.**

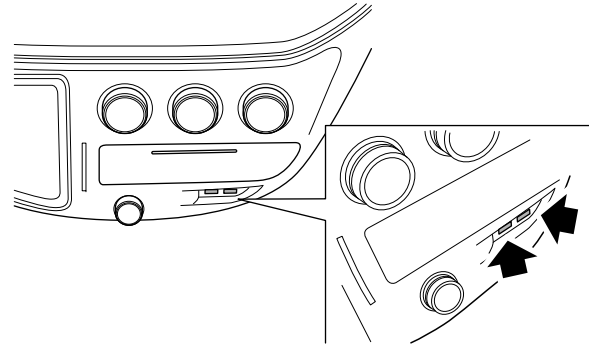
To operate, press the cigarette lighter knob fully in and release. When heated, the knob will partially eject automatically and can be withdrawn for use.



## USB ports

The USB ports are located at lower middle of the instrument panel, which support the audio/video playing, picture browsing, charging and mobile phone interconnection.

*Note: Functions supported by the USB port may vary with the configuration of on-board entertainment system, please refer to the actual functional configuration of the vehicle.*



# Before You Drive

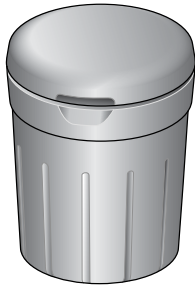
---

## Ash tray



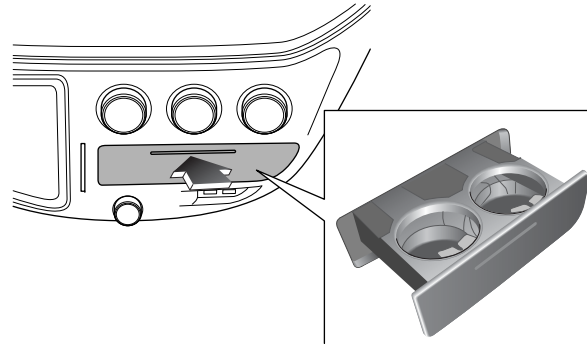
**Ashtrays are a fire risk. Putting lit cigarettes or matches in an ashtray with combustible material can cause a fire. Do not use the ashtray as a waste receptacle.**

The ashtray of the vehicle is located in glove box. The ashtray can be open by opening the ashtray cover.



## Cup holder

To open, push and release the cup holder to unlock it; then pull out to its full extent. To stow, press the cup holder gently in until it locks.



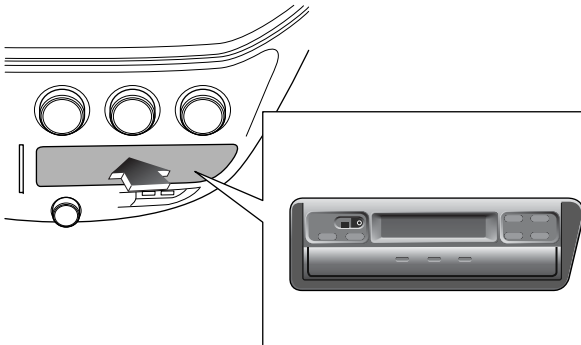
## Vehicle travelling data recorder

Vehicle travelling data recorder located in the central control position of dashboard.

Display of speed, date, time, total travelling mileage, daily travelling mileage, driving time/rest time, failure record and more.

For more information, please refer to User Manual supplied with vehicle travelling data recorder.

This item may not apply to your vehicle, please refer to the actual vehicle.

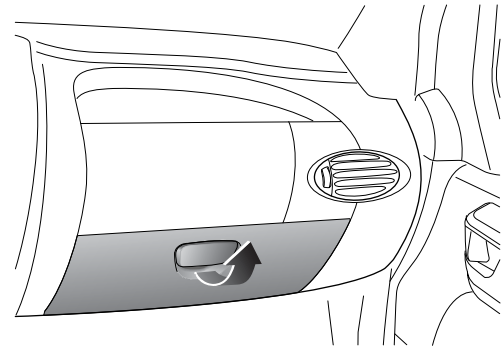


## Glove box

**!** Do not stow sharp, heavy or dangerous objects in the glove box on the occupant side.

**Driving with the glove box open can cause injury in the event of an accident or sudden stop. Keep the glove box closed when driving.**

Lift the flap handle to open the box. Close it with a firm push.



# Before You Drive

---

## First-aid kit

The first-aid kit is placed in the glove box. If you need to use, please unzip it and take out the required items.

The items included in the first-aid kit are: medical gauze piece, medical elastic bandage, medical athletic tape, triangular bandage, adhesive bandage, iodophor cotton swab, dressing tweezers, safety scissors.

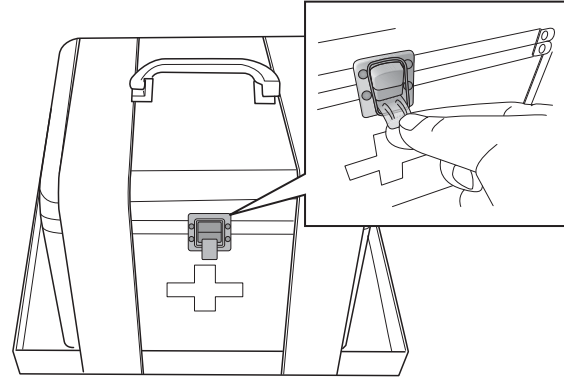
This item may not apply to your vehicle, please refer to the actual vehicle.



## First-aid Case

First-aid case is placed under the rear seat. When in use, firstly loosen two elastic straps on the case bracket to get required items out of the first-aid case.

This item may not apply to your vehicle, please refer to the actual vehicle.



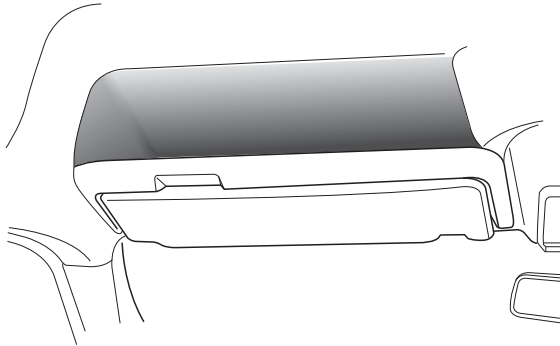


## Overhead stowage

**!** The storage bin is used to store papers or other light objects only. Do not put sharp, dangerous or heavy objects in the overhead stowage bins. They could become dislodged and fall on the driver or passengers and cause injury.

For middle and high roof vehicles, two open overhead bins are provided for the stowage of light items.

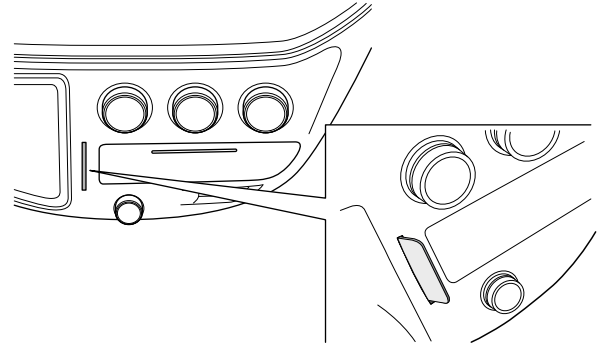
*Note: For low roof vehicles, this feature is not equipped.*



## Card slot

For storage of bank cards and other hard plates.

*Note: Do NOT insert coins or other short and small items.*



# Before You Drive

## Fire extinguisher

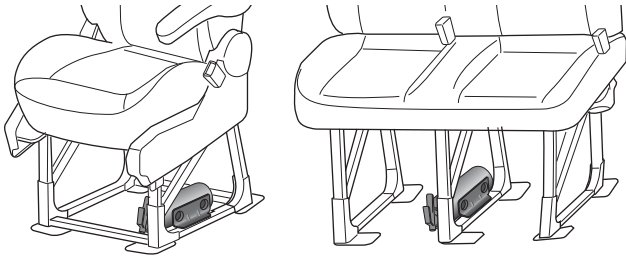
*Note: Please take the actual configuration of your vehicle as the standard.*

**!** Once the fire extinguisher is activated, it shall be replaced even with few sprays.

The vehicle is equipped with dry powder fire extinguisher located on the front occupant seat carrier.

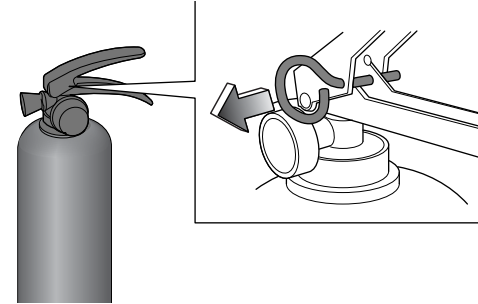
If the front occupant seat is a single seat, the fire extinguisher is located at the interior of the seat carrier.

If the front occupant seat is a dual seat, the fire extinguisher is located at the interior of the middle seat carrier.

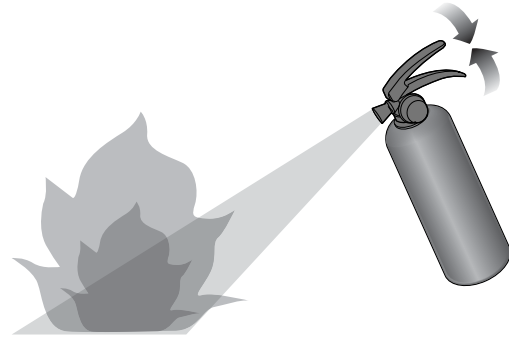


## The use of the portable fire extinguisher

- 1 Pull out the safety pin;



- 2 Aim at the root of the fire source, and push the handle simultaneously to extinguish the fire.



In outdoor use, select to spray at the upwind direction. Intermittent spray may be adopted in its use. When extinguishing the fire of flammable liquid, do not spray by aiming at the liquid surface directly, so as to prevent the flammable liquid from splashing due to the impact force and expanding the fire, resulting in fire fighting difficulties. When fighting the ordinary fire of solid materials, spray by aiming at the most violent combustion area, and spray in the up and down, left and right direction; when the conditions permit, you may walk and spray around the combustion material, so that the dry powder fire extinguishing agent can be evenly sprayed on the surface of the combustion material, until the flame is fully extinguished. When fighting the fire of energized equipment (not suitable for fighting the fire of equipment with high voltage), cut off the power first. The user of fire extinguisher shall pay attention not to touch the energized equipment, to avoid the occurrence of an electric shock which endangers the personal safety. The fire shall be extinguished completely to prevent the re-ignition of flame.

## Fire extinguisher inspection and maintenance

The user shall make the inspection immediately after taking the vehicle, and then make it at the interval of 1 quarter, in the severe environment, the fire extinguisher shall be inspected more frequently, and the contents of the inspection are as follows:

- 1 The pointer of the fire extinguisher pressure indicator shall be in the green zone;
- 2 The safety pin and sealing label shall be intact;
- 3 The cylinder body is free of rust, deformation, and all components have no deformation and damage.

*Note: Non-professionals are not allowed to disassemble the fire extinguisher on their own, to avoid the occurrence of accidents.*

### Caution

- Each fire extinguisher shall be inspected annually as of the manufacture date of vehicle. The fire extinguishing agent must be replaced every two years and the fire extinguisher must be replaced every ten years.
- The annual inspection and post-usage repair must be performed by an enterprise approved by Fire Department and having relevant qualifications to test, repair and annually inspect fire equipment.
- The vehicle owner is obliged to inform the purchaser of the aforesaid precautions if the vehicle is sold.

# Before You Drive

## Vehicle inverter



**Pay attention to electricity safety. Do NOT allow children to play with the socket - Danger of High Voltage!**

**Do NOT insert fingers or conductive items into this socket.**

**Keep liquids far away from the area where the socket is fitted.**

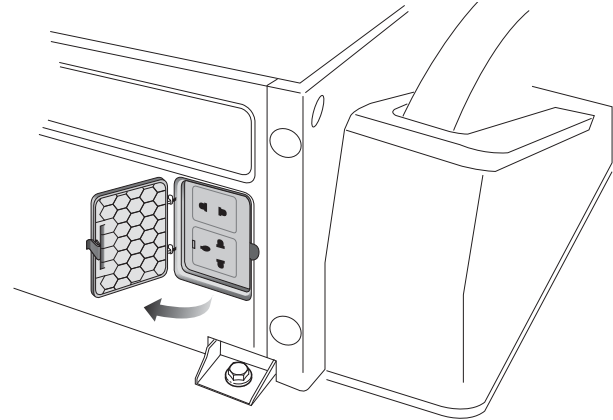
**Do NOT use it in a humid, high temperature (above 85 °C) or poor ventilation environment.**

**The maximum rated power of the inverter is 150W. Any high-power electric device (above 150W) is prohibited.**

The vehicle inverter is located at the lower of the driver's seat back. The 220V AC socket which supplies a output power of 150W can be seen whenever the panel is opened. The vehicle inverter can be operated when the ignition switch is turned to position 'ACC (UNLOCK)'. Pay attention to the indicator located next to the socket which displays the power status and operate according to the instructions given by the indicator:

- 1 Green ON: normal operation.
- 2 OFF: Battery voltage too low. Remove the electric device and wait for the recovery of the battery voltage.
- 3 RED flash:
  - Battery voltage too high. Wait for the recovery of the battery voltage.

- 220V power temperature too high. Remove the electric device and wait for the green light ON.
- 220V power output overload. Remove the electric device and restart the engine to return to normal.
- External short circuit. Remove the electric device and restart the engine to return to normal.

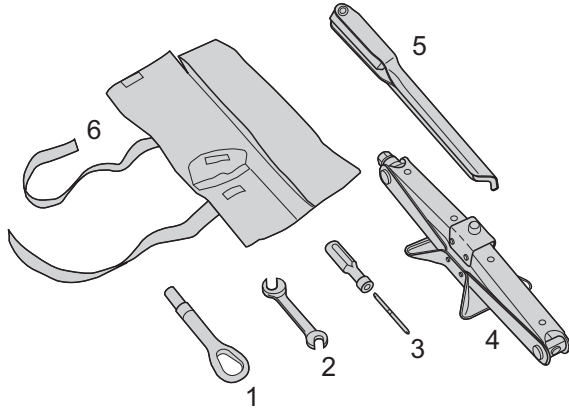


### Caution

**Do NOT use the vehicle inverter when the ignition switch remains on 'ACC (UNLOCK)' for a long time to avoid the battery lack of power.**

## Driver's tools

Driver's tool package is located at the under of the driver's seat.

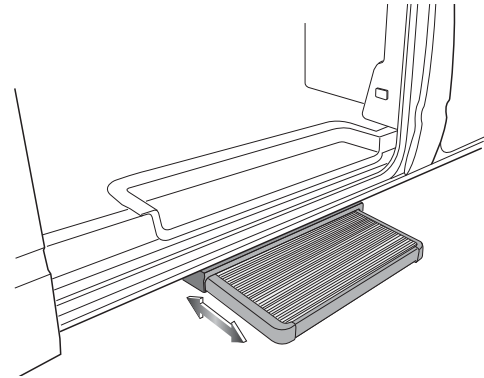


- 1 Front towing eye
- 2 Wrench (8 × 10)
- 3 Screwdriver(+, -)
- 4 Jack
- 5 Wheel bolts/Socket wrench
- 6 Driver's tool package

## Power side stepwell

The power side stepwell will be extended automatically when the side load door is opened and the drive's door is unlocked.

The power side stepwell will be retracted automatically when the side load door is closed or the drive's door is locked.



## Alarm safety hammer

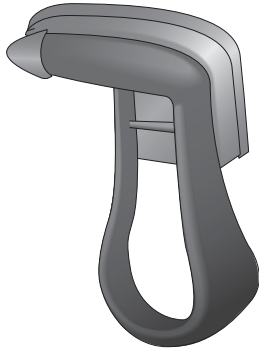
The alarm safety hammer is configured for the vehicle models with 10 or more passenger seats.

If emergency hammers are provided for the vehicle, they shall be located on the lateral surface No.2 or the rear interior roof. The quantity and installation positions of the emergency hammers shall be determined according to the actual vehicles you will purchase.

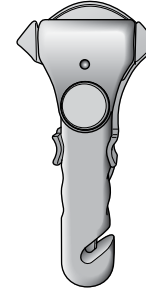
In an emergency, use the hammer to beat the four corners and edges of window glass until the glass cracks.

*Note: Beat the four corners and edges of glass with alarm safety hammer as the toughened glass of vehicle window is weakest in four corners and edges and strongest in the middle area.*

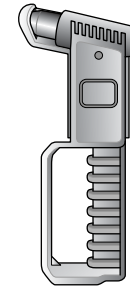
Type1



Type2



Type3



## Replace alarm safety hammer battery



**Battery presents risk of fire, explosion and burns. Never charge the battery. Dispose used battery correctly. Keep battery away from children.**

If necessary, replace the battery as procedures below:

Type 1

- 1 Remove alarm safety hammer.
- 2 Unscrew 4 screws securing alarm safety hammer holder and remove the holder from car wall.
- 3 Remove the rubber mat at the back of holder and unscrew screws securing circuit board to take the circuit board out of holder.

### Caution

Do not pry circuit board out with metal items.

- 4 Replace the old battery with a new one.

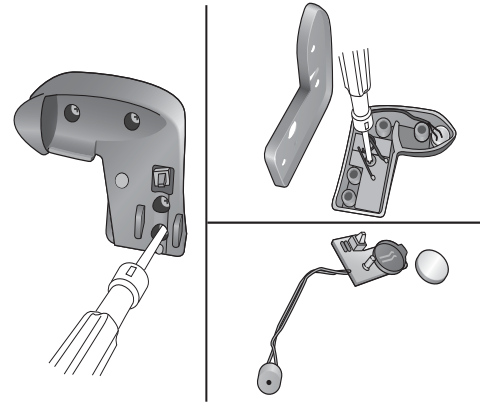
*Note: Battery CR2032 is suggested and generally battery on the circuit board shall be replaced once every year.*

### Caution

It is essential that the correct battery polarization is observed.

- 5 Position the circuit board with battery into holder and secure with screws.
- 6 Fit rubber mat of holder and secure the holder to car wall with M4 screw.

- 7 Position the alarm safety hammer body into hammer holder.



Type 2

- 1 Remove alarm safety hammer.
- 2 Unscrew three securing screws on the back of alarm safety hammer and make the alarm safety hammer body break up.

### Caution

Do not pry circuit board out with metal items.

- 3 Withdraw the three old batteries and fit the new batteries.

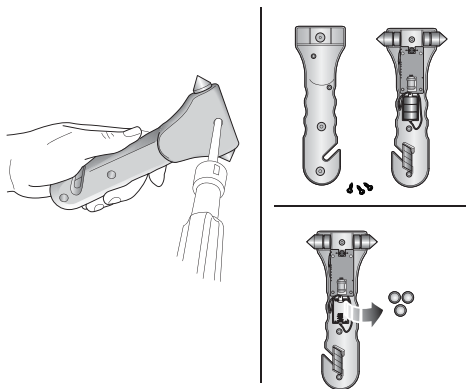
## Before You Drive

*Note: Battery LR44 is suggested and generally battery on the circuit board shall be replaced once every year.*

### Caution

It is essential that the correct battery polarization is observed.

- 4 Close the alarm safety hammer body and secure with three screws.
- 5 Position the alarm safety hammer body into hammer holder.



### Type 3

- 1 Remove alarm safety hammer.
- 2 Unscrew four securing screws on the back of alarm safety hammer and make the alarm safety hammer body break up.

### Caution

Do not pry circuit board out with metal items.

- 3 Withdraw the three old batteries and fit the new batteries.

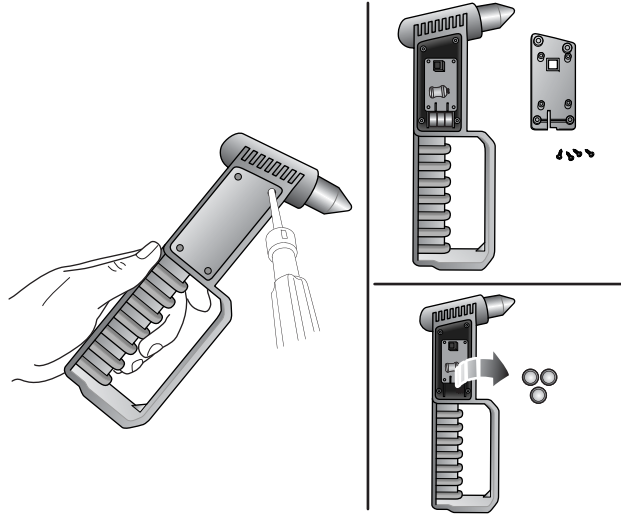
*Note: Battery LR44 is suggested and generally battery on the circuit board shall be replaced once every year.*

### Caution

It is essential that the correct battery polarization is observed.

- 4 Close the alarm safety hammer body and secure with four screws.
- 5 Position the alarm safety hammer body into hammer holder.

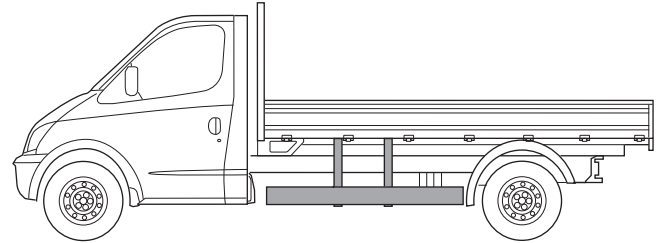




## Protective device

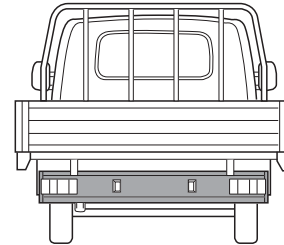
### Lateral protective device

Lateral protective device employs Q235 steel and bolt connection. The cross section is groove shaped, 160mm high, 20mm deep and 410mm distant from the ground.



### Rear under-run protective device

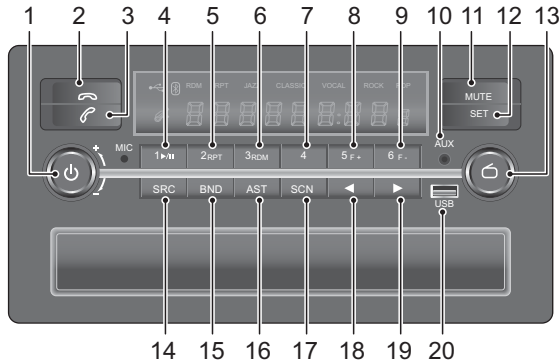
Rear under-run protective device employs DC01 steel and bolt connection. The cross section is groove shaped, 252mm high, 118 mm deep and 489mm distant from the ground.



# Before You Drive

## MP3+Audio

### Description of Panel Functions





- 1 PWR/VOL Short press to turn the unit on/off Volume Knob (rotate left to decrease; rotate right to increase)
- 2 Hang up the incoming bluetooth call (short press) Switch off bluetooth display (long press)
- 3 Answer the incoming bluetooth call (short press) Redial the last number called (long press)
- 4 Preset Button 1/Pause Button
- 5 Preset Button 2/Repeat Button
- 6 Preset Button 3/Random Button
- 7 Preset Button 4

- 8 Preset Button 5/Next Directory (USB mode)
- 9 Preset Button 6/Previous Directory (USB mode)
- 10 Audio Input Interface
- 11 Short press to switch between MUTE ON (turn on the sound of unit) and MUTE OFF (turn off the sound of unit)
- 12 Enter EQ setting (short press) Enter Country/Region interface (long press)
- 13 TUN/AUD: Manual Radio Frequency Adjustment
- 14 Audio Source Selection (TUNER -> AUX -> BT LINK -> USB 1 -> USB 2 -> TUNER)
- 15 Radio Band Selection
- 16 Radio mode: Auto Save Station (short press)
- 17 Radio mode: Radio Station Browse (short press) USB mode: Track Browse (short press)
- 18 Radio mode: Search radio stations at lower frequency (short press)  
Bluetooth playback mode: Switch to the previous track (short press)  
USB mode: Select previous track (short press)
- 19 Radio mode: Search radio stations at higher frequency (short press)  
Bluetooth playback mode: Switch to the next track (short press)  
USB mode: Select the next track (short press)
- 20 USB port

## Audio Adjustment

### Power On/Off

With the ignition switch in "ACC" or "ON" position, short press the button  to turn the unit on, and short press the button  again to turn the unit off.

### Clock settings and display

Short press the SET button to adjust among such functions as BASS, TRE, BRL, FRD, EQ. Rotate the PWR/VOL knob to adjust the volume of the sound.

In CLOCK state, short press the SET button, and the Hour or Minute field begins to blink; short press the button to set the time, then the clock begins to run from the set time.

### Volume

Rotate the PWR/VOL knob to adjust the volume. For safety reasons, please choose the proper volume to ensure that you can still hear the external traffic signal sound (whistle, police whistle, etc.). The volume output is 0~30.

## Audio/EQ mode adjustment

Short press the SET button to enter the EQ Setting mode, and rotate the PWR/VOL knob to set; after setting, short press the SET button again to enter the next setting mode.

- Enter the EQ mode BASS-TRE to select the preset EQ type. The display will show the selected EQ after the selection, for example JAZZ.
- In BASS Settings, rotate the PWR/VOL knob to adjust the Bass effect; adjusting range: BASS-7, ..., 0, ..., BASS+7.
- In TREBLE Settings, rotate the PWR/VOL knob to adjust the TREBLE effect; adjusting range: TREB-7, ..., 0, ..., TREB+7.
- In BAL Settings, rotate the PWR/VOL knob to adjust the volume balance between left and right speakers; adjusting range: L7, ..., 0, ..., R7.
- In FADER Settings, rotate the PWR/VOL knob to adjust the volume control of front and rear speakers; adjusting range: F7, ..., 0, ..., R7.

In the digital adjustment mode, the default value is 0. The display automatically returns to the last operating mode after about 10 seconds.

# Before You Drive

---

## National system adjustment

Long press the SET button, and the national systems will be shown on the display. Rotate the PWR/VOL knob to select from different national systems, and such systems as AUS, USA, CHINA, THAILAND, AMERICA may be selected according to different national frequencies. When different national systems are selected, the frequency and time will be updated synchronously.

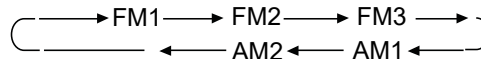
## Setting exit logic

Long press the SET button to enter "Country/Region" interface. After the radio reception region is selected, if there is no other button pressed in 9 seconds, the system will automatically confirm and make related settings to enter the normal display mode. If you adjust to other interfaces before the automatic confirmation, this adjustment for the region setting will be invalid (stay the same).

## Radio Reception

### Band

Press the BND button to select the desired band. The band can be switched among FM1, FM2, FM3, AM1 and AM2, and the system will display the selected band.



### Automatic station search

Short press the ◀ button to tune to stations at lower frequency.

Short press the ▶ button to tune to stations at higher frequency.

### Auto Save Station (AST)

You can save 6 FM stations with the strongest signal in FM AST band, or save 6 AM stations with the strongest signal in AM AST band. When using the AST function, the previous stations saved in FM AST band or AM AST band will be overwritten.

Short press the AST to enter the Auto Save Station state. The stations are saved to the preset buttons 1 ~ 6. When there are more than 6 stations, they will be saved to FM2.

The saved stations may be less than 6 when the external radio signal is weak.

## Preset stations (1~6)

Manually save the stations in preset buttons.

6 stations can be saved in each band by using preset buttons (1~6).

- Tune to the desired station
- Press and hold the desired preset button at least 2 seconds, then the current station can be saved to this preset button.

## Recall preset stations

Press the desired preset button (1  $\text{↔}$  6) to recall the preset stations.

## Playing in USB mode

This radio has an external USB port to connect your USB drive or portable media player.

### File decoding instructions

- Support the audio files with the suffix of \*.mp3, \*.MP3 or \*.WMA.
- Support 2G, 4G, 8G, 16G, 32G USB storage devices.
- Connect with the USB storage devices that are partitioned in FAT16 and FAT32 file system format.
- Supported sampling frequency range: 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k, 48kHz.
- Supported bit rate: 8k—320kbps, VBR(MP3 PRO).

### Device connection

Insert your USB storage device into the standard USB port of the radio, press the SRC button to select the USB mode, then the display shows the word "USB".

#### Caution

The radio is to be initialized to search for MP3 files as the USB storage device is just connected; the waiting time is ranging from a few seconds to more than 10 seconds, depending on the capacity of the USB storage device and the sizes of its saved files, so do not remove the USB drive hurriedly during this period.

# Before You Drive

---

## Play

The display shows the following items during normal playback: EQ mode (if selected), current USB track No., elapsed time.

When all tracks in the previous folder are played, the unit will skip to the first MP3 file in the next folder automatically in order.

## Repeat

Press the 2/RPT button when playing to play the current track repeatedly; support single track repeat and folder repeat. Press the button again to return to the normal playback state.

## Random

Press the 3/RDM button when playing to play the tracks in current folder randomly.

Press the button again to return to the normal playback state.

## Scan

Short press the SCN button when playing to switch to INT ON state, and the beginning of each track will be played for 10 seconds.

Long press the button again to switch the SCN off, then the normal playback state resumes.

## Previous/next track

Short press the ◀ or ▶ button to select the previous track or the next track.

## Pause

Short press the 1/▶■ button when playing to pause; short press again to continue playing.

## USB directory selection

Press 5/F+ to enter the next Directory (directory no. increases) in the USB drive for playing.

Press 6/F- to enter the previous Directory (directory no. decreases) in the USB drive for playing.

### Caution

- The USB1/USB2 port of this unit supports charging of external devices whose voltage falls in the following range (e.g. mobile phone charging). The charging voltage range is 5+/-0.5V; the maximum charging current is 500mA; the charging logic is that charging is supported when RADIO is ON and charging is not supported when RADIO is OFF.
- If your device cannot be recognized or played incorrectly when inserted into the USB port, please remove and insert your USB device again and ensure that the USB port keeps good contact and is not obstructed by abnormal objects, such as dust.

## Bluetooth

The Bluetooth connection between the mobile phone and the system must be completed before operating the system. This connection is based on the pairing connection between

the mobile phone and the system. The system will store the mobile phone's ID once the pairing connection is established. When the vehicle is started or the system is turned on, it will connect to the mobile phone automatically. After establishing the connection, you can make calls via the on-board audio system and the microphone.

### Caution

- The Bluetooth pairing requires your mobile phone supporting HFP (Hands-Free Profile) Bluetooth application protocol. The establishment of Bluetooth connection varies with the mobile phone manufacturers. Refer to the mobile phone's User Guide for more information.
- If your mobile phone is provided with the navigation feature, after the Bluetooth connection is established, the navigation prompt tone for some types of mobile phone can be broadcast via the on-board audio system. This feature needs to be supported by your mobile phone. For the mobile phones that do not support this feature, the navigation prompt tone will be broadcast via the mobile phone.

### Caution



- For some types of mobile phone, the touch tone will be transmitted via Bluetooth when the Bluetooth connection is established. If you do not want to hear the mobile phone's touch tone from the car radio, just turn it off.

## Bluetooth Connection


Short press the SRC button to switch to the Bluetooth interface, then the display will show the word "PHONE" for 2 seconds. When the word "BT LINK" is displayed, set your phone to the search mode to find out the Bluetooth name of CAR BT xxxxx (the last four or more digits are the serial number of Bluetooth module).

The pairing can be made by clicking the Bluetooth address directly after the Bluetooth module is found. Establish the connection with the mobile phone after the successful pairing. When the Bluetooth connection is established, the radio will display the word "PHONE" for 2.5 seconds, and the Bluetooth module can only be connected to one phone simultaneously.


## Answer/reject incoming calls

After the connection is established, when there is an incoming call, the display will show the word "CALL IN" and the incoming call number, accompanied with a ring tone. Short press the Answer button  to answer the call; short press the Hand Up button  to reject.

## **Hands-Free/private calls**


When the call is connected, the Bluetooth interface box will output the audio to the stereo system in hands-free form and the radio display will show the word "PHONE". Short press the Answer button  to switch between the hands-free and private modes.

## **Hang up**


When the call is connected, short pressing the Hand Up button  can end the current call.

## **Last number redial and disconnection**

### **Last number redial**

After the connection is established, long pressing the Answer button  can redial the last number dialed in the call history.

### **Disconnection**

After the connection is established, long pressing the Hand Up button  can disconnect the connection between the current phone and the on-board Bluetooth. When the connection is disconnected, the display will show the word "PHONE" for 1 second and the Bluetooth icon will be hidden.

## **Auto reconnection**

The connection will be interrupted if the distance between the phone and the vehicle exceeds the distance limit; when the phone gets back to the connection range, the phone will be reconnected with the external Bluetooth module automatically. When the external Bluetooth module is powered on, it will reconnect with the last connected phone automatically.



# Before You Drive

## "Answer" button



Under this situation...	Short press the Answer button...
External calls	Answer Incoming Calls
In-call (Hands-free mode)	Enter the private mode
In-call (Private mode)	Enter the hands-free mode

Under this situation...	Long press the Answer button...
Standby (not pairing)	Bluetooth module enters the visible mode
Standby (connection completed)	Dial the last dialed number in the call history

## "Hand Up" button

Under this situation...	Short press the Hang Up button...
External calls	Reject the call
In-call (Hands-free / Private mode)	Hang up

Under this situation...	Long press the Hang Up button...
Standby(connected)	Disconnect Bluetoothconnection

**Note:** In the Bluetooth interface, long press the "Hand Up" button  to turn off the Bluetooth. When the Bluetooth icon disappears, the word "PHONE" will appear for 3 seconds, then "BTLINK" will be displayed for 4 seconds, and then the unit time will be displayed. Long pressing the "Answer" button  to turn on the Bluetooth, you will see the Bluetooth icon/PHONE appear synchronously, the word "PHONE" blink for 3 seconds, then "BTLNK" displayed for 4 seconds. The phone connected with the Bluetooth before it is turned off will be connected with the Bluetooth between 3-10 seconds.

## **AUX IN interface**

The unit reserves a standard audio interface of 3.5mm in diameter; you can connect the audio player with a corresponding audio adapter. When the audio device is connected, press SRC button to select AUX IN mode. In AUX IN mode, you can adjust the music volume with the volume knob.

## **Reversing beeper volume**

When reversing, the entertainment system sound sources will be reduced, and the volume of the sources will be resumed after reversing.

For vehicles with automatic transmission, if the shift lever is in "R" position, the volume of all sound sources will be reduced; if it is shifted out of "R" position, the volume will be resumed.

# Before You Drive

## General Troubleshooting

If you find some features of the car audio are inoperative, please read the operation instructions in this Handbook carefully before sending it for maintenance, and then carry out inspections according to the following table, which contributes to the troubleshooting..

Symptoms	Possible Causes and Solutions
General Conditions	
The unit is inoperative and not displaying	The fuse of unit power supply or vehicle is blown; please ask our Service Dealer to replace it with the fuse of correct type.
The unit is operative, but with no sound or little sound	Volume up; Check the speaker's BAL and FADER settings
The unit body is a little hot	It is normal when the unit is operating.
Radio Reception	
Poor radio reception	The antenna amplifier in the vehicle may be damaged; please ask our Service Dealer to check it. The signal of the desired station is too weak; please tune it manually.
USB Device Playback	
Some audio files cannot be played	Please confirm that it is an MP3/WMA file; this unit does not support audio files in formats other than MP3/WMA.
The volume rises and falls when playing MP3 tracks	The sources of MP3 tracks are extensive and have no unified standard, so the inconsistent volume may be set during the compression of MP3 tracks; please adjust the volume knob by yourself.
Artist/Track/Title cannot be displayed	This unit does not support the ID3 information display.
The music pauses intermittently during playback	This may be caused by the different compression formats.

## Before You Drive

---

Unable to read the tracks in the external hard drive	Confirm that the hard drive has only one partition, as this unit does not support the multiple disk partitions. If two or more disk partitions have been set, such as E and F disks, or more disk partitions, this unit will be unable to read MP3 tracks in these disks. If you want to use it, please combine all disk partitions into one on your computer.
Unable to read the tracks in the storage device	Confirm that this storage device is partitioned in FAT16 or FAT32 format when inquiring on the computer, if not, please reset to the standard required by this unit on the computer.
Unable to read MP3 tracks through USB hub	This unit only supports the adapter with one USB port.
Violent tone/noise	This may be caused by the device used to record the original MP3 files and the noise; please confirm if it is this unit's problem with another player.

### Caution

If the fault still exists, take your vehicle to our Service Dealer for repair. Do not disassemble the car audio for repair without authorization.

## *Starting and Driving*

---

- 100 *Before starting and driving*
  - 100 *Ignition switch*
  - 101 *Engine immobilisation system*
  - 102 *Starting / Stopping engine*
  - 104 *Driving*
  - 105 *Catalytic converter*
  - 108 *Fuel*
  - 111 *Urea*
  - 112 *Manual transmission*
  - 113 *6AMT automatic transmission*
  - 118 *Power steering unit*
  - 118 *Brake system*
  - 124 *Cruise control system*
  - 127 *Parking assist system*
  - 128 *Lane change assistance system*
  - 130 *Tyres*
  - 132 *Loading*
-

## Before starting and driving

- Ensure that the daily/weekly maintenance checks have been done as detailed in the section 'Maintenance and Service - Owner's check'.
- Check your seating position.
- Check the adjustment of all the rear view mirrors.
- Check that all lights, signaling systems and warning indicators are in working order.
- Check that all occupants have correctly fastened seat belts.

Turn the ignition switch to 'ON' position and check the operation of all warning lights and gauges (see page 46 'Before You Drive - Warning lights and indicators').

### Caution

Be sure you understand your vehicle and its equipment by first reading the section 'Before You Drive'.

## Ignition switch



**Never remove the key during vehicle driving, otherwise you will not be able to steer the vehicle.**

**Always remove the key after switching off, particularly if leaving children unattended in the vehicle.**

**Freewheeling with the ignition switched-off is dangerous as assistance from the brake servo and the power steering is not available under these conditions.**

*Note: An engine immobilisation system is fitted to your vehicle, see page 101 'Engine immobilisation system'.*

Ignition switch can offer positions below:

**LOCK:** Ignition switch turned off. The key can only be inserted or removed in this position. After removing the key from 'LOCK' position, ignition switch shall lock steering column to avoid turning the steering wheel.

**ACC (unlock):** With steering column unlocked, individual electrical device and accessory can work, such as: radio and cigarette lighter etc.

*Note: Slight movement of the steering wheel may be necessary to disengage the steering lock.*

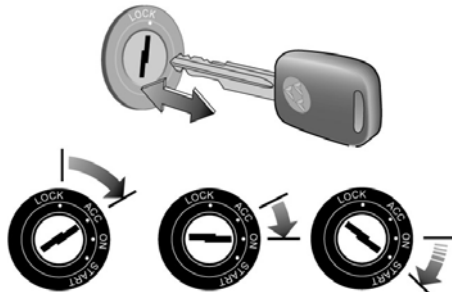
*Note: Never leave the key in 'ACC (UNLOCK)' position for a long time to avoid the battery lack of power.*

**ON:** The ignition is switched on and instruments, controls and electrical circuits become operative.

*Note: Do not leave the key in 'ON' position when the engine is not running.*

START: Starter motor works and engine starts.

Release the key as soon as the engine starts and the key automatically returns to 'ON' position from 'START' position.




## Engine immobilisation system

### Keys

The keys are coded electronically to your vehicle and are unique to it. Only these keys will start your engine.

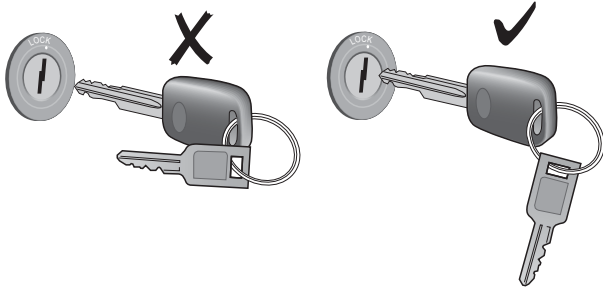
With valid immobiliser system, any unauthorized attempt to start the engine will be electronically inhibited.

### Arm / disarm

The 'security warning light (amber)'  on the information center display will dimmed forever when the ignition switch is turned from 'LOCK' to 'ON' position with a successful authentication.

If the 'security warning light (amber)' flashes, there is a fault with the engine immobilisation system. The engine will be unable to start and you should contact our Service Dealer immediately.

*Note: The ignition key contains a microchip, and to ensure a trouble-free data exchange between it and the vehicle, do not shield it with metal (e.g. other keys), and do not expose the key to severe impacts. Do NOT have more than one ignition key on your key ring.*




## Starting / Stopping engine


### Starting

**!** Carbon monoxide is a dangerous gas and can cause unconsciousness and may even be fatal. Do not breathe exhaust gas because it contains carbon monoxide which by itself has no colour or odour. Never start or leave the engine running in an enclosed, unventilated area. If you think exhaust fumes are entering the vehicle, have the cause determined and corrected as soon as possible. If you must work under these conditions, drive only with all windows fully open.

Check that the handbrake is applied and that the gear lever is in neutral. All unnecessary electrical equipment should be switched off.


Wait for the 'glow plug indicator (amber)'  on the lower right of the instrument cluster off after the ignition switch is turned to position 'ON'. Depress the clutch pedal (Manual transmission) or the brake pedal (6AMT automatic transmission) to the end and but do not depress the accelerator pedal. Turn the key to position 'START' to start the engine. Release the key as soon as the engine starts and the ignition switch will return to position 'ON' automatically. When the engine is running, check and ensure 'battery no-charge



warning light (red)'  and 'oil pressure warning light (red)'  on the information center display off.

*Note: Do not operate the starter for longer than 20 seconds during starting and if the engine fails to start, turn off ignition switch and wait 30 seconds before having a try again. Operating starter for 20 seconds, the starter will stop automatically.*

*If an engine management system fault has occurred, 'engine MIL*

*(amber)'  may remains on or flash and the engine may not start (see page 103 'Limp-home mode').*

### Caution

Do not run the engine above idle speed in approximately 30 seconds after starting to ensure the turbocharger bearings receive adequate lubrication before being run at high speed.

## Warming up

When the engine is cold, warm up the engine is unsatisfactory when the vehicle is still. Suggest driving away soon after starting the engine.

## Limp-home mode

If an engine fault occurs while driving which could have an effect on drivability, the engine management system will enter 'limp-home mode'. In this situation the 'engine MIL (amber)' on information center display will start to flash or remain on and our company authorized Service Dealer shall be contacted immediately for inspection.

## Stopping

Turn the ignition switch from position 'ON' to 'ACC (unlock)' to stop the engine.

### Caution

Before stopping the engine, allow it to idle for 10 seconds to ensure adequate lubrication to the turbocharger bearings while it is slowing down.

## Driving

### Running-in of new vehicle

This vehicle requires no deliberate 'running-in', but in order to enhance the long-term running performance, we strongly recommend the following:

Driving at first 1,600 Km:

- Avoid driving too briskly and vary the speed frequently.
- Never depress the accelerator pedal to the lowest position at any gear.
- Do NOT allow the engine to labor in any gear.
- If possible, avoid undue heavy braking.

From 1,600 Km on, you can gradually increase the performance of your vehicle up to the permitted maximum speed.



**Avoiding using high engine speed will then protect your engine, reduce fuel consumption, lower the engine noise level and help towards protecting the environment.**

## Driving



**When driving, never place portable container with fuel on the vehicle. They may leak and a fire may result.**

### Caution

When driving, never rest your feet on the clutch pedal; wear/ damage to the clutch will result.

## Ramps and ferries

When negotiating sharp or severely inclined ramps, e.g. ferries etc., exercise caution to avoid damage to the underside of the vehicle.

## Catalytic converter



**The catalytic converter radiates a considerable amount of heat, even for a short time after the engine has been switched off, which could create a fire hazard.**

**Do not operate or park your vehicle over anything which might burn easily such as paper, dry grass or dry leaves. Do not touch the exhaust system while the engine is running or for a time after switching off, until the catalytic converter has cooled.**

A catalytic converter is fitted to the exhaust system of your vehicle to reduce exhaust gas pollution.

### Caution

To prevent damage to the catalytic converter, the following precautions must be observed:

- Diesel shall be used and our company can accept no responsibility if petrol has been added. You should contact our company authorized Service Dealer immediately if you have inadvertently filled up petrol. Do not attempt to start the engine.
- If your vehicle starts to misfire while driving, or performance degraded, drive to your nearest Service Dealer at slow speed.
- Do not drive with an extremely low fuel level. Running out of fuel could cause the engine to misfire.
- Do not start your vehicle by pushing or towing.
- Do not switch off the engine while the vehicle is moving.

## **Instructions for diesel vehicles with DPF**

DPF (Diesel Particulate Filter) is mainly used to collect particulates in vehicle exhaust, and within a certain period, active and triggered regeneration will be performed for the DPF to clear up particulates collected in it, so that its functions are restored. The active regeneration refers to the engine's automatic start of self-recovery of DPF function of collecting particulates in vehicle exhaust according to the actual working condition. The triggered regeneration refers to the regeneration under human intervention on the fact that the present working condition of the engine cannot meet the conditions for active regeneration.

### ***Alarms and warnings on the instrument (for vehicles equipped with this feature)***

Level 1 Alarm: The instrument information centre displays



icon for 3 seconds and the buzzer beeps three times.

Level 2 Alarm: The instrument information center



displays icon for 3 seconds and the buzzer beeps three times. Moreover, the two types of warnings cycle every 2 minutes.

Perform DPF regeneration as per the alarms and warnings on the instrument after noticing the warning signals. If Level 1 Alarm occurs, DPF regeneration can be performed through

high-load drives or a triggered regeneration. If Level 2 Alarm occurs, only triggered regeneration is applicable. Ignoring of the warnings will lead to continuously increased particulates in the DPF, resulting in its failure to regenerate. Please go to the Service Dealer for servicing.

### ***Procedures of triggered regeneration (for vehicles equipped with this feature)***

- 1** When the engine coolant temperature exceeds the first scale line, stop the vehicle, put the shift lever in N gear, apply the parking brake and turn the ignition key to OFF position for 2 minutes.
- 2** Turn the ignition key to ON position but do not start the engine.
- 3** Fully depress the brake pedal and release the parking brake.
- 4** Turn off the ignition switch and turn it on again for three times, and finally maintain the ignition switch in ON position.
- 5** For MT models: fully depress the brake pedal and the clutch pedal with feet, start the engine and then release both pedals, thus the regeneration starts. For AMT models: fully depress the brake pedal, start the engine and then release the brake pedal, the regeneration starts.

# Starting and Driving

---

## Caution

Be sure to park the vehicle in an open and well-ventilated place and that no combustible materials such as withered grass and oils around, as the temperature of DPF regeneration process is very high. When the engine speed rises to 2,000rpm, it indicates that the regeneration is successful. If the engine speed does not rise, it indicates that the regeneration fails; please turn off the ignition switch, and repeat the above procedures after 2 minutes. After the regeneration starts, unless you must drive the vehicle, keep it in N gear and a stopped state. No operations, for example, depressing the brake pedal, the clutch pedal or the accelerator pedal are allowed. In case of unsuccessful regeneration for multiple times, please go to the Service Dealer for servicing.

- Conditions for triggered regeneration
  - DPF overloaded, with the particulate value exceeding the set value (Level 1 Alarm and Level 2 Alarm occur on the instrument).
  - The water temperature is over 40 degrees (Celsius).
  - No DPF related function error.
  - The vehicle speed is 0; the vehicle is in N gear.
- Possible causes of regeneration failure
  - The clutch pedal is depressed.

- The vehicle is not in N gear.
- The vehicle is not in a stopped state, i.e., the vehicle speed is not 0.
- The accelerator pedal is depressed.
- The brake pedal is depressed.
- The engine state does not meet the requirements (low water temperature, high exhaust temperature).
- DPF related failure exists in the engine.
- Fail to follow correct regeneration procedures.

## ***Regeneration procedures through high-load drive***

- 1 Cycle high-load drives, for example driving at a high speed of no less than 80 km/h.
- 2 Keep driving the vehicle for about 30 minutes.

# Starting and Driving

## Special Driving Conditions

In the following cases, the triggered regeneration is almost unavailable and the efficiency of active regeneration is generally low or even absent, requiring the driver to pay attention to and avoid as much as possible:

- Repeatedly start and stop vehicle.
- Keep the vehicle at a low speed or under low load for a long time.
- While parked, the engine idles for a long time.

### Caution

If the engine idles for a long time, carbon deposit in DPF increases. When the engine speed is 1,000 rpm in N position, it indicates that the active regeneration is activated. Please drive the vehicle properly and avoid keeping the vehicle idling for a long time. If the vehicle needs to be in the long-term idling state, when the active regeneration is activated (at this time the engine speed is 1,000 rpm in N position), the driver can depress the accelerator pedal actively to increase the engine speed to 2,000-2,500 rpm to assist the regeneration.

## Fuel

### Fuel filling



**Never mix diesel with oil, petrol, kerosene, paraffin, water and other fluid to use, which may damage to the fuel system.**

**Overfilling could cause the fuel visible from filler neck or spillage and danger from exposed fuel to yourself and others.**

Use the diesel with sulfur content of less than 50ppm of the Euro IV engine. Use the diesel with sulfur content of less than 15ppm of the Euro V and VI engine. It is recommended to use diesel conforming to Euro IV, V, VI and stricter standards.

### Caution

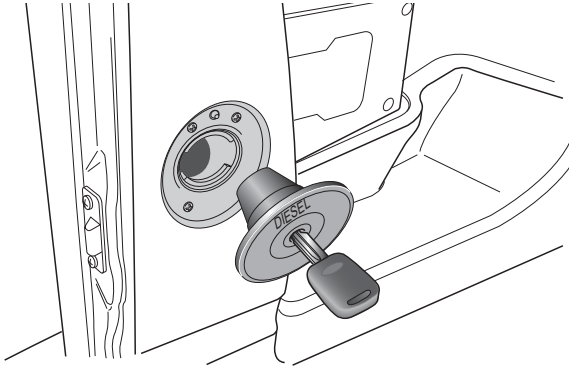
- We suggest you using high quality diesel without additives or other engine cleaning agent.
- You should contact our company authorized Service Dealer immediately if you have inadvertently filled up petrol. Do NOT start the engine. If the engine is run on petrol it will cause considerable damage to fuel system components. Such damage is not covered by the warranty.



**To avoid fuel overspill, stop filling when the automatic shut-off of the pump nozzle occurs. Attempts to add additional fuel will overfill the tank and could lead to fuel overflow in warm weather or when driving around corners.**

## Fuel filler cap

To unlock the cap, turn the key anticlockwise to remove the cap. After filling up, turn the ordinary key clockwise to lock the cap.



### Caution

The fuel tank is vented; it is essential that a replacement filler cap is of the correct type.

## Saving fuel

Fuel consumption can be influenced by three major factors:

- How you maintain your vehicle
  - Regular vehicle maintenance shall be done by our company authorized Service Dealer in accordance with Warranty & Service Handbook.
  - Check tyre pressures regularly.
- How you drive your vehicle
  - Avoid high speed driving while in lower gears (shall shift gear), otherwise fuel consumption will increase.
  - Frequent cold starts and / or short distance driving means considerably higher fuel usage.
  - Slow moving traffic, uphill driving, twisting roads etc. all increase fuel consumption.
  - Anticipate hazards ahead to avoid heavy braking.
  - Make sure the handbrake is fully released when driving.
- Your vehicle load
  - The greater your load, the greater your fuel consumption. Do not carry any unnecessary weight.



The following driving tips will help you to save fuel and protect the environment.

- Ensure that the tyres are inflated to the correct pressure.
- Never accelerate immediately after starting or depress the accelerator pedal to the lowest position.
- Do not drive in the lower gears for long time.
- Stay in the highest gear as long as possible when engine is running smoothly.
- Anticipate obstructions, road junctions, sharp corners or traffic lights, and adjust your speed accordingly well in advance.
- Switch off your engine if allowed by safety conditions when you anticipate a prolonged wait at a traffic jam, level crossing etc.

## Cold weather precautions



**The use of paraffin (kerosene) as an additive is prohibited. The addition of petrol to the fuel is highly dangerous.**

The following recommendations should be considered to minimize difficulties associated with cold weather fuel problems:

- Fuel to winter requirements should be used.
- Park the vehicle in an area where the fuel temperature can be maintained above  $-9^{\circ}$  C.
- Fill the fuel tank at the end of each working day; this will minimize the possibility of condensation and consequent water contamination.
- Replace the fuel filter element at the recommended intervals.
- Maintain the state of battery in normal operation condition.

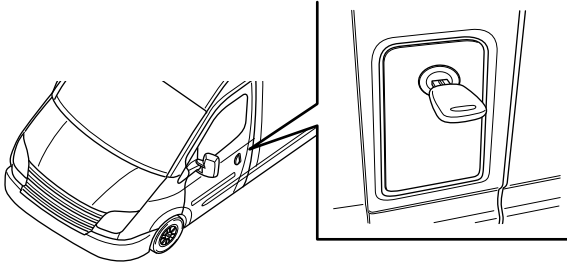
### Caution

Additives can reduce the lubricating properties of the fuel, resulting in rapid wear and damage to both engine and fuel injection equipment.

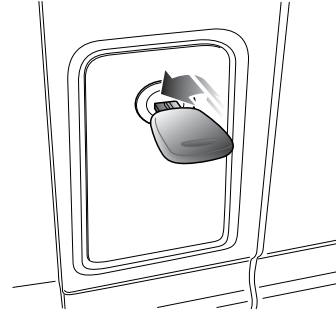


## Urea

The position of the urea filler on the vehicle, as shown in the following figure.

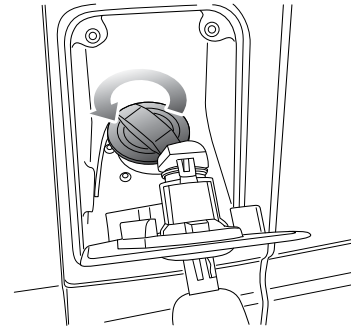


Opening the urea filler door by turning the door key counter-clockwise.



2

Turning the urea filler cap, then you can fill urea.



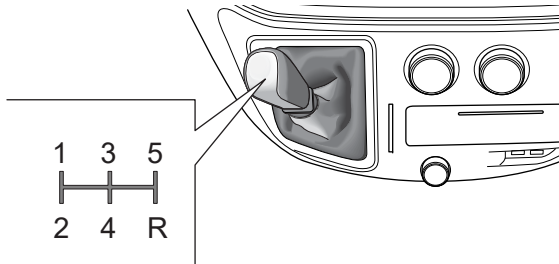
## Manual transmission

### Gear shift

To change gear, fully depress the clutch pedal then move the gear lever. After changing, release the clutch pedal slowly.

The gear positions are indicated on the gear lever knob.

### Five - speed manual transmission

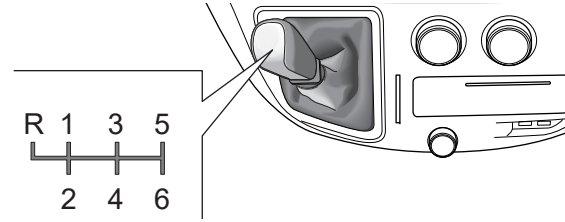


**5th gear:** Move the gear lever fully to the right against spring pressure, and then move it up. When changing down to 4th gear, do not exert sideways pressure to the left as 2nd gear may be inadvertently engaged. This could cause the engine to over speed.

*Note: It is not possible to move the gear lever directly from 5th to reverse.*

**Reverse:** From the neutral position, move the gear lever fully to the right with force greater than the spring pressure, then move it down.

### Six - speed manual transmission



**6th gear:** Move the gear lever fully to the right against spring pressure, and then move it down. When changing down to 5th gear, do not exert sideways pressure to the left as 3rd gear may be inadvertently engaged. This could cause the engine to over speed.

*Note: It is not possible to move the gear lever directly from 6th to reverse.*

**Reverse:** From the neutral position lift up the gear, and move the gear lever fully to the left with force greater than the spring pressure, then move it up.

### Caution

Before shifting into or out of reverse, the vehicle must stop completely. Up-shifting in sequence and no start up in 2nd gear. Do not coast the vehicle with the transmission set in neutral, especially when the vehicle travels downhill. Otherwise damage could be caused to the synchronizers and various bearings.

## 6AMT automatic transmission

### Important notice

Information below is very important to users, especially the one who unfamiliar with automatic mechanical transmission (AMT):

- With hydraulic actuator used for gear shift selector, it is normal to hear the pressure accumulating noise made by accumulator when driver side door open.
- Before engine start, place gear lever in N position, depress service brake and apply parking brake.
- After engine start, keep service and parking brake applied and shift gear lever to the gear required.
- On flat road, release parking brake while keep service brake applied until you are ready for driving. Start driving in 1 or R position and release brake pedal, the vehicle will slowly move forward or backward automatically without accelerator pedal depressed.

AMT is a transmission with 6 gear positions and two gear shift modes: Auto and manual modes. In auto mode, there are following driving modes: Economy mode and sport mode.

*Note: Figure or letter in information center displays the gear or mode selected.*

### Gear lever operation



**Gear lever shall stay in A/M position about 1 second after moved to it.**

**Gear position will flash when gear lever position different from that of transmission.**

- **Stable position**

Gear lever can shift to and stay in the gear position N, R and G.

- **Unstable position**

Gear lever will return to G position immediately after released when shifted to +, -, A/M position.

### Gear lever position

#### N Neutral

Select this gear when vehicle started and engine idle for long time (waiting for traffic light for example).

#### R Reverse

Only select this gear with vehicle standstill and brake pedal depressed. Gear position will flash if reverse request failed.

#### G Driving

Gear lever return position, between + and - position. Gear lever shall stay in this position during normal vehicle driving.

#### + Gear up

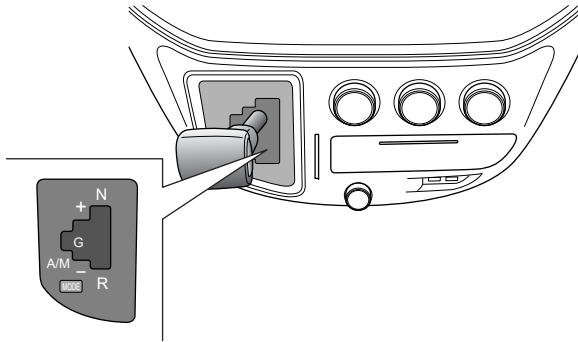
Transmission will gear up to nearby higher gear.

## - Gear down

Transmission will gear down to nearby lower gear.

## A/M Auto mode/manual mode

Transmission will shift gear automatically or manually.



*Note: When parking vehicle with AMT transmission. For the vehicle configured with a 6AMT automatic transmission, move the transmission lever to the Gear AI / MI (on the level ground or uphill) or R Gear (on the downhill), when the vehicle is to be parked; and move the gear lever to the neutral gear before the vehicle is started again. Apply the parking brake in all conditions as well as the above comments when parking.*

## Place in N position during vehicle driving



**Warning: During vehicle normal driving, gear lever is not suggested to place in N position for safe driving.**

- With vehicle driving speed below 80km/h, transmission will allow gear lever moved to N position without brake pedal depressed if the driver release accelerator pedal. Information center will display N after gear lever placed in N position.
- With vehicle driving speed above 80km/h, transmission will keep the previous gear position unchanged with gear lever moved to N position if the driver doesn't apply brake pedal.
- If the driver applies accelerator pedal and places gear lever in N position, the transmission will not accept such request and maintain previous gear position. At the same time, the gear position will flash to alert the driver.
- During vehicle driving, if the driver move gear lever from N position to other positions other than R position, transmission will automatically put in the gear position matching with current vehicle and engine speed only with gear lever moved from N to G position. There is no need to apply brake pedal.

## Auto mode

In auto mode, transmission will automatically select in 6 forward gear positions according to vehicle speed and accelerator pedal position.

After engine start, transmission will select economy mode automatically.

AMT can switch between two driving modes with mode control switch in auto mode: economy and sport.

- **Economy mode**

Economy mode can deliver the best fuel consumption and emission. To withdraw from economy mode, press mode control switch to sport mode or move gear lever from G to A/M position to enable manual mode.

- **Sport mode**

In sport mode, transmission is much more sensitive to pedal movement. Moving to higher gear happens later than moving to lower gear for better acceleration performance.

Select sport mode in case better acceleration performance required, but it is noted that fuel consumption will increase in sport mode. To withdraw from sport mode, press mode control switch to economy mode or move gear lever from G to A/M position to enable manual mode.

- **Manual gear shift in auto mode**

In auto mode, manual gear shift can be operated as well by moving gear lever from G to + direction and releasing it

immediately, transmission gearing up to nearby higher gear; while gear lever moving from G to - direction and releasing immediately, transmission gearing down to nearby lower gear.

*Note: In auto mode, only reasonable manual gear shift request will be accepted and operated. Then transmission will maintain auto mode.*

- **Kick-down in auto mode**



**There is risk of sideslip due to driving wheel slipping with kick-down function applied on smooth road surface.**

During vehicle driving, depressing accelerator pedal completely in one time (also called kick-down) will deliver good acceleration performance for overtaking. At certain vehicle speed, this will make accelerator switching to proper lower gear immediately and providing fast acceleration.

## Manual mode

In auto mode, move gear lever from G to A/M position to enable manual mode.

- In manual gear shift mode, moving gear lever from G to + direction and releasing it immediately, transmission will gear up to nearby higher gear; while gear lever moving from G to - direction and releasing immediately, transmission will gear down to nearby lower gear.
- If the driver shifts gear in unreasonable time, such as gearing up with low engine speed or gearing down with high vehicle speed, the transmission will not make response and the vehicle will drive at the original gear with gear position flashing. With vehicle driving at certain gear and engine speed below certain value, the transmission will gear down to nearby lower gear automatically to avoid engine stalling; With vehicle acceleration and engine speed increasing up to limit, if there is no request of gearing up, only in this situation transmission will gear up nearby higher gear automatically to protect the engine.
- To return to auto mode from manual mode, move gear lever from G to A/M position.

*Note: Mode control switch will fail to work in manual mode.*

*Note: After returning to auto mode, the driving mode will be still the mode selected in auto mode before switching.*

## Crawling function



**Do not use crawling function in case of starting or driving in slope, otherwise it will cause the vehicle slipping or serious clutch wearing.**

- Start driving in 1 or R position and release parking brake then brake pedal, the vehicle will slowly move forward or backward automatically without accelerator pedal depressed.
- With vehicle in crawling function, opening driver side door, the vehicle will stop crawling function. Closing driver side door, the vehicle will restore crawling function with braked pedal depressed and then released.

*Note: Crawling function will fail to work with vehicle start in 2 gear position; if the vehicle start in 1 or N position, the vehicle will flame out with parking braked forgotten to release.*



**To prevent clutch from overheating during hill starting, please use parking brake and accelerator pedal. At starting, firstly pull parking brake handle, and then release brake pedal with accelerator pedal depressed. With vehicle shocking or tending to moving, release parking brake handle to start the vehicle smoothly.**

## Vehicle start

With gear lever in N position and ignition switch turned to ACC (unlock) position, the information center will display the gear and position displayed during previous vehicle flameout. At this time, depress brake pedal to start the engine.

After engine start, the information center will display N and auto mode A. Depressing brake pedal and moving gear lever from N to G, transmission will put in 1 gear automatically and information display 1. If you want to start the vehicle in 2 gear, move the gear lever to + direction, information center displaying 2; Depressing brake pedal and moving gear lever from N to R, the transmission will put in N position and information center display R.

After putting in a gear position, release parking brake and then service brake to start.

*Note: With vehicle standstill after starting, transmission will make no response to gear shifting without brake pedal depressed and gear lever moved from N position.*

### Notes for special cases:



**To ensure safety, please apply parking brake handle when parking in N position to avoid accidental vehicle moving.**

**In case of short stay at a hill for traffic jam, please apply parking brake or service brake instead of frequently applying accelerator pedal to keep vehicle still or**

**climbing less than 10km/h, otherwise which will speed up the clutch wearing.**

**Transmission fault indicator (yellow) will light on and buzzer buzz for high clutch temperature. At this time the vehicle shall be parked in a safe place for 5 minutes at least before driving again.**

*Note: Crawling function will fail to work with high clutch temperature.*

## Power steering unit

Your vehicle is fitted with power assisted steering and in the unlikely event of hydraulic failure, the driver maintains full steering control, but greater effort will be needed to turn the steering wheel.

## Brake system

### Service brake

#### Dual brake hydraulic system



**A failure in one of the hydraulic pipelines will be indicated by illumination of the 'brake system**



**warning light (red)** on information center display while driving; it will result in increased brake pedal travel and effort, longer stopping distance and may cause the vehicle to pull to one side. Do not pump the brake pedal in an attempt to restore pedal pressure. If there is pressure failure in one of the brake pipelines the cause must be investigated. **IMMEDIATELY** bring the vehicle carefully to a halt. You should contact our company authorized Service Dealer immediately. **DO NOT** drive the vehicle.

Should one of the hydraulic pipelines fail the other circuit will continue to function.



## General state



**Always ensure that floor mats or other objects do not disturb pedal movement.**

**Never rest your foot on the brake pedal as this may overheat the brakes, reduce their efficiency and cause excessive wear. If brake pads/shoes have worn excessively, a squealing or screeching noise will be heard when the brakes are applied, and braking efficiency will be affected. You should contact our Service Dealer immediately.**

If the engine stalls or stops for whatever reason, the brake servo assistance will exhaust after two pedal operations and as a result a much greater effort will be required in operating the pedal to achieve expected braking efficiency. In these circumstances the stopping distance may be longer.

If the vehicle is not in regular use or is garaged for long periods the efficiency of the braking system could be impaired. You should contact our Service Dealer immediately.

## Wet state



**Driving in heavy rain and slushy roads will considerably reduce braking efficiency. At this time, keep safe distance from other vehicles and gently depress the brake pedal intermittently to dry the brake friction components. In severe wet weather this drying process may need to be repeated every few miles.**

**In winter month ice can form and salt accumulate on the brake pads and discs. Ice and salt accumulation will be cleaned off after a few light applications of the brake pedal.**

## Descending steep hills



**Overheating the brakes will reduce braking efficiency and may also cause the vehicle to pull to one side.**

Before descending steep hills which may require nearly constant braking, reduce the braking effort required by selecting a lower gear and using the braking effect of engine.

## ABS (Anti-lock braking system)

Your ABS prevents the road wheels from locking under severe braking; thereby helping to you to maintain steering control. No special driving technique is needed.

Under normal braking (where sufficient road surface friction exists to prevent wheel lock), the ABS will not be activated.

An integral feature of this braking system is Electronic Brake Distribution (EBD), which is used to optimize the braking force at the rear wheels under full load condition.

Important rules when braking in emergencies with ABS.

- 1 Depress the clutch pedal and apply full braking force on brake pedal.
- 2 Steer around the obstacle. No matter how hard you brake, steering control is maintained.

## ABS in action



**ABS does not necessarily provide shorter stopping distances, which can vary greatly depending on road surface and conditions. In fact, stopping distances can be less on vehicles without ABS on some surfaces such as gravel and soft snow.**

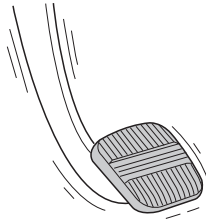
**ABS cannot overcome the physical limitations of stopping your vehicle in too short a distance, cornering at high speed, or aquaplaning, i.e. where a layer of water prevents adequate contact between the tyres and the road surface.**

**ABS must never tempt you to take risks that could affect your safety or that of other road users. You still have a duty to drive within normal safety margins, having due consideration for the road surface, weather and traffic conditions.**

If the force of your braking should exceed the available adhesion between the tyres and the road, causing one or more wheels to lock, then ABS will automatically come into operation. You will hear the sound of a rapid pulsation which will also be felt through the brake pedal.

When braking in an emergency, always depress the clutch pedal and apply full force to the brake pedal, even if the road surface is slippery. ABS is activated immediately; it constantly monitors the speed of each wheel and varies the braking pressure to each according to the amount of grip available.

This prevents the wheels from locking and enables steering control to be maintained.



## Driving tips With ABS

- In an emergency braking situation, depress the clutch pedal and simultaneously apply full force to the brake pedal.
- Under normal braking, apply steady pressure to the brake pedal - DO NOT PUMP IT.
- Remember that steering control will always be available during braking.
- The availability of ABS does not eliminate the dangers of driving too close to the vehicle in front, aquaplaning, excessive cornering speeds etc.
- ABS does NOT guarantee shorter braking distances.
- Do not be alarmed if you hear and feel a pulsing at the brake pedal. This is normal and indicates that the ABS is in operation.

## ESP (Electronic Stability Program)


### ESP function

ESP contains all the functions of ABS, TCS and HHC to avoid vehicle rollover and ensure the vehicle as safe as possible.

ESP is an advanced computer system that can help you control the vehicle driving direction in bad conditions. When the driving route detected by computer different from the actual driving direction, ESP will selectively apply braking force to one or several brakes to keep your vehicle in the direction you operated.

With ESP started, ESP indicators will flash on the instrument board. You may hear some noise or feel brake pedal vibration, that's normal.

With ignition switch turned into ON position, 'ESP indicator

(yellow)'  lights on for 3 seconds while the system performs self diagnosis. ESP can monitor driving status if started. During normal driving, ESP indicator lights off. In case of slip and low traction force, ESP works and flashes. If ESP fails, ESP indicator keeps lighting on and the vehicle shall be delivered to our authorized distributors for checking.

### HHC (Hill Hold Control)

HHC is capable of preventing the vehicle that is climbing a hill from slipping downhill after the driver releases the brake pedal. An interval up to 2 seconds is available for the driver to shift his

foot from the brake pedal to the accelerator pedal so as to successfully drive off on a slope.

### Cautions for driving vehicles with ESP

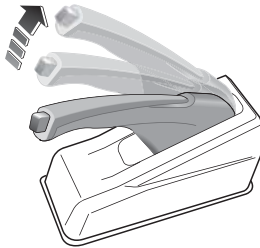
ESP can detect and analyze vehicle conditions, taking preventive measures by correcting wrong driving operation. However, anything has its limit and no safety device is absolutely safe if the driver blindly drives the vehicle over-speeding.

## Parking brake

### Apply handbrake

- Press the brake pedal down firmly.
- Pull the handbrake up firmly and check that it locks in the 'up' position.
- Release the brake pedal and make sure that the vehicle is standstill.
- If the vehicle rolls, pull up the handbrake more firmly with transmission level.

*Note: For the vehicle configured with a manual transmission, move the transmission lever to Gear 1 (on the level ground or uphill) or R Gear (on the downhill), when the vehicle is to be parked. For the vehicle configured with a 6AMT automatic transmission, move the transmission lever to the Gear AI / MI (on the level ground or uphill) or R Gear (on the downhill), when the vehicle is to be parked; and move the gear lever to the neutral gear before the vehicle is started again.*



With ignition switch in 'ON ' position, applying handbrake,



'brake system warning light (red)' on the information center display will lights on.

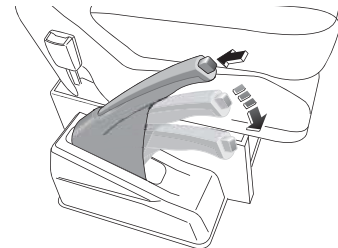
### Parking on a hill

If parked facing uphill, turn the front road wheels away from the kerb. If parked facing downhill, turn the front road wheels towards the kerb.

### Releasing handbrake

**⚠ Before turning on ignition switch, do not release the handbrake. You will not be able to steer the vehicle. Make sure the handbrake is fully released when driving and the 'brake system warning light (red)' has gone out as a partially applied brake will overheat the rear brakes, reduce their effectiveness, cause excessive wear and may result in an accident.**

Pull the handbrake up slightly, depress the button on the lever end and push the lever fully down.



## Warning lights

Warning lights related with brake system are 'brake system warning system (red)', 'ABS warning lights (red)', 'EBD warning light (red)' and 'ESP indicator (yellow) lights', see page 46 'Before You Drive - Warning lights and indicators'.

## Cruise control system



**Cruise control can be dangerous where you can not drive safely at a steady speed. Therefore, do not use the cruise control on winding roads or in heavy traffic. It is also dangerous to use the cruise control system while driving on a slippery road. On such roads, fast changes in tire traction can cause excessive wheel spin, and you could lose control. Do not use the cruise control on a slippery road.**

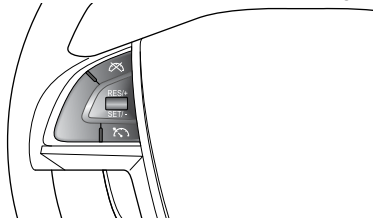
Your vehicle may be equipped with the cruise control system. With the cruise control, you can maintain the vehicle speed at 40km/h or above without keeping depressing the accelerator pedal. The cruise control system does not work when the vehicle speed is less than 40 km/h.


For vehicles with the traction control system or electronic stability control system, the system starts to limit wheel spinning when the cruise control system is working. In case of this situation, the cruise control will be automatically disabled.


## Set Cruise Control

**!** If the cruise control stays on when you do not use it, you may touch the button and accidentally enter the cruise state. Then you may get scared and lose control of the vehicle. Therefore, keep the cruise control switch "Off" until you need to use the cruise function.

The cruise control buttons are located on the steering wheel.



 : Cruise on/off switch. Press this button to turn on/off the cruise control system. Meanwhile the "cruise indicator lamp" in the instrument cluster will illuminate/go off correspondingly.


 : Cruise cancel switch. Press this button to cancel the cruise function without clearing the set speed in the memory.

RES/+ : Cruise resume/acceleration switch. To store the set speed, move the thumbwheel upwards to recover this speed. Move the thumbwheel again to accelerate (1km/h per time). The instrument cluster will display the corresponding target speed.

SET/- : Cruise setting/deceleration switch. Move the thumbwheel downwards to set the speed. Then the cruise

function will be enabled and the cruise indicator lamp in the instrument cluster will turn green from white. If the cruise function is enabled at this time, move the thumbwheel downwards to lower the cruise speed (1km/h per time). The instrument cluster will display the corresponding target speed.


## Set Speed:

- 1 Press  to turn on the cruise control system. Meanwhile the "cruise indicator lamp (white)" in the instrument cluster will illuminate.
- 2 Accelerate to the speed required.

*Note: This speed must be higher than 40km/h.*

- 3 Move the thumbwheel towards SET/- direction downwards and then release it. Then the current speed will be stored and maintained. The speed set will appear in the instrument cluster display momentarily, and the "cruise indicator lamp" on the instrument cluster will turn green from white.
- 4 Release the accelerator pedal, and then the vehicle will run at the speed set steadily. The cruise control function will be disabled when the brake is enabled.

## Resume Set Speed

If you have set the cruise speed of cruise control system, the cruise control function will be disabled when you depress the brake pedal or press , but this set speed in the memory will not be cleared. To resume the pre-set speed, move RES/+ thumbwheel upwards when the vehicle speed reaches 40km/h

or above, and then the vehicle speed will recover to the pre-set value.

## Accelerate with the Cruise Control System Enabled

There are two methods to accelerate:

- Accelerate by depressing the accelerator pedal.
- If the cruise control system has been enabled, keep moving the thumbwheel towards RES/+ direction upwards until the vehicle speed reaches the value required, and then release the thumbwheel. To accelerate by minor increment, move the thumbwheel towards RES/+ direction upwards momentarily, and then release it. Every time you move the thumbwheel upwards, the vehicle will speed up by about 1km/h, meanwhile the instrument cluster will display the incremental target speed.

## Decelerate with the Cruise Control System Enabled

If the cruise control system has been enabled:

- Keep moving the thumbwheel towards SET/- direction downwards until the vehicle speed reaches the value required, and then release the thumbwheel.
- To decelerate by minor increment, move the thumbwheel towards SET/- direction downwards momentarily, and then release it. Every time you move the thumbwheel downwards, the vehicle will slow down by about 1km/h, meanwhile the instrument cluster will display the decremental target speed.

## Overtaking with the Cruise Control System Enabled



Speed up with the accelerator pedal. When you release the accelerator pedal, the vehicle will decelerate to the pre-set cruise control speed.

## Use the Cruise Control System on a Ramp


The performance of the cruise control system on a ramp depends on vehicle speed, load and gradient of the ramp. When the vehicle runs uphill, it may be required to depress the accelerator pedal to maintain the vehicle speed. When the vehicle runs downhill, it may be required to brake or shift to a low gear to maintain the vehicle speed. The cruise control function will be disabled when the brake is enabled.

## Terminate the Cruise Control

There are three ways to disable the cruise control:

- Slightly depress the brake pedal once; the "cruise indicator lamp" in the instrument cluster will go off when the cruise control is disabled.
- Press  .
- Press  to turn off the cruise control system completely. The cruise control speed will not be resumed.

## Clear Speed Memory

The cruise control set speed memory will be cleared when you press  or ignition switch.



## Parking assist system

*Note: The type of parking assist system equipped on your vehicle is subject to the actual vehicle configuration purchased.*

### Reverse Radar Sensors



**Parking assist system is not always reliable and it is just for guidance! parking assist system sensor may not detect obstacles of certain types, such as: wire nettings or ropes, small objects near the ground, cones and objects whose surface is unreflecting.**

**No dust, ice and snow on parking assist system sensor. If there is deposit on the parking assist system sensor, its normal functions shall be disturbed. When washing the vehicle, never direct the water gun at parking assist system sensor at short range.**

Four parking assist system sensors in the rear bumper will scan the area behind the vehicle to sense obstacles. If obstacle found, the sensor will calculate its distance from the rear part of vehicle and send sound signal to the driver. The very important is that this system is just a parking assist system rather than a substitute of observation and personal judgment.

### Operation conditions of parking assist system:

After selecting reverse gear, parking assist system will give out short 'beep' sound to indicate operation started. When selecting other gears, parking assist system will stop working.

*Note: If reverse gear selected and the system giving out long sound, it indicates system failure and our company authorized Service Dealer shall be contacted for inspection.*

## Minibus and Cargo van

### When reversing the vehicle:

- If the obstacle is between 180 cm and 120 cm distance from rear bumper or rear step, alarm system will give out intermittent long sound signal.
- If the obstacle is between 120 cm and 70 cm distance from rear bumper or rear step, alarm system will give out intermittent short sound signal.
- If the obstacle is between 70 cm and 40 cm distance from rear bumper or rear step, alarm system will give out intermittent fast sound signal.
- If the obstacle is within 40 cm distance from rear bumper or rear step, sound signal will change into continuous alarm.
- If the obstacle is within 20 cm distance from the rear bumper or rear step (blind region of detection), the sound signal may stop to alarm.

### Dropside cab and Chassis cab

#### When reversing the vehicle:

- When the vehicle is at about 150 cm distance from the rear barrier, the device starts to produce alarm sound, and the alarm sound become harsh when the vehicle is approaching the barrier.
- When the distance of the vehicle from the rear barrier is less than 40 cm, the device will produce continuous alarm sound. At this moment, it is impossible to effectively identify the barrier if you continue to reverse the vehicle.

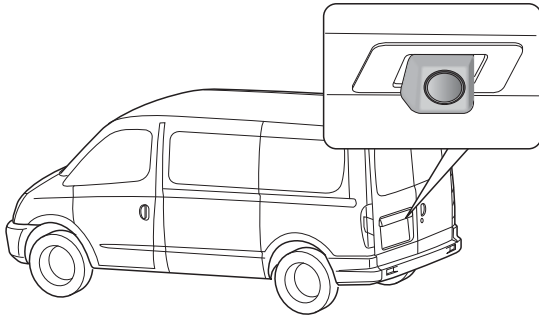
## Reverse camera

**!** Reverse camera of parking assist system is not always reliable and it is just for guidance! The view distance of the camera is limited and obstacles beyond the distance are inaccessible.

### Operation conditions of reverse camera of parking assist system:

After selecting reverse gear, entertainment system display will be switched to the operation condition of reverse camera, displaying the scene behind the vehicle as reverse reference.

When selecting other gears, the camera stops working and the display returns to the original state.

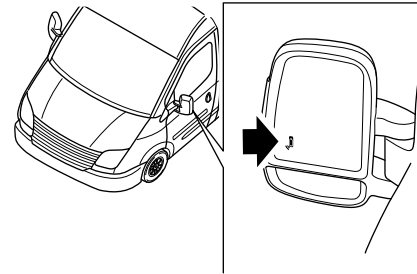


*Note: When the vehicle is in reverse condition, the camera outputs static reverse track with ground as the reference on the entertainment system display and identify with red, amber and green in segment.*

## Lane change assistance system

**!** The lane change assistance system is not always reliable. It is a supplementation to rather than a substitution for the safety driving practices and exterior mirrors.

The lane change assistance system warning lamps are located on the left and right exterior mirrors.



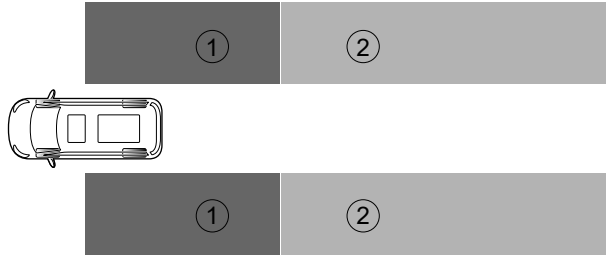
## Blind spot detection

When the target vehicle enters the detection zone ①, the lane change assistance system warning lamp on the corresponding side will remain on.

If the turn signal on the corresponding side will be turned on at the moment, the lane change assistance system warning lamp will change to flash.

# Starting and Driving

The scope of detection of the zone ① includes two subzones, each being 3 meters wide and running from the blind spot to 3 meters behind the rear of the vehicle.



## Lane change assistance

When the target vehicle enters the detection zone ②, and rapidly approaches your vehicle, lane change could cause collision, the lane change assistance system warning lamp on the corresponding side will remain on.

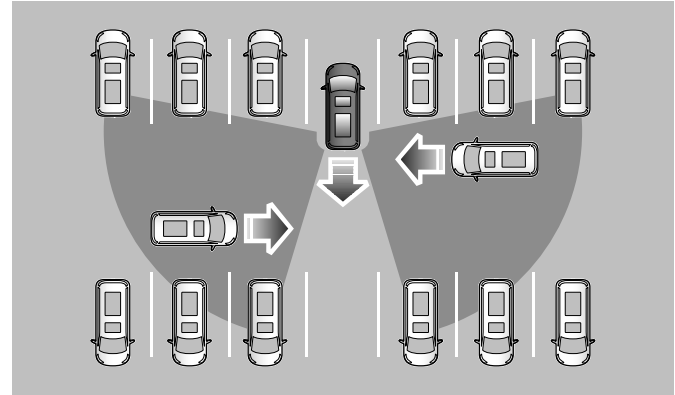
If the turn signal on the corresponding side will be turned on, the lane change assistance system warning lamp will change to flash.

The scope of detection of the zone ② includes two subzones, each being 3 meters wide and running from 45 meters behind the rear of the vehicle.

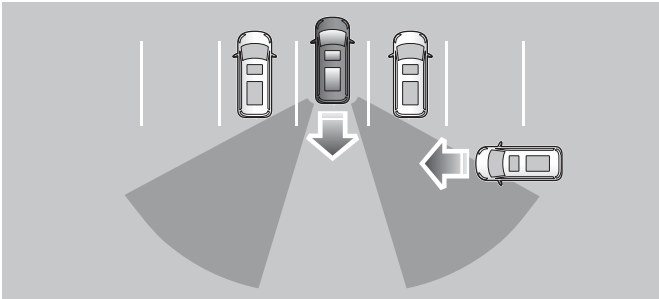
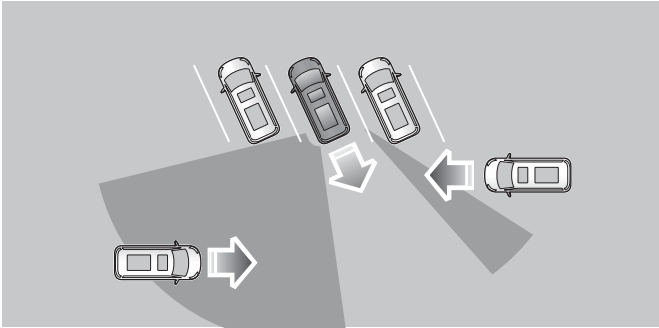
*Note: The functions of blind spot detection and lane change assistance can be activated only when the vehicle speed is greater than 30km/h.*

## Vehicle detection during reversing

If the target vehicle enters the detection zone (which includes two subzones, being 20 meters each and located to left and right of your vehicle) while your vehicle is reversing, collision could occur, and the lane change assistance system warning lamp on the corresponding side will flash.



# Starting and Driving



*Note: The function of vehicle detection during reversing can be activated only when the speed of target vehicle is 10 to 30 km/h and the speed of your vehicle is less than 10km/h.*

## Tyres



### **DEFECTIVE TYRES ARE DANGEROUS!**

**Do NOT drive your vehicle if any tyre is excessively worn or damaged, or is inflated to an incorrect pressure.**

**Do NOT overload vehicle.**

**Incorrect tyre inflation pressures or an unbalanced wheel and tyre assembly can seriously affect stability, especially when driving with high payloads or at high speeds. Under-inflation also increases rolling resistance which increases fuel consumption, accelerates tyre wear and causes tyre damage which can lead to an accident.**

Always drive with consideration for the condition of the tyres; the most common causes of tyre failure are:

- Bumping against kerbs.
- Driving over deep pot holes.
- Driving with under or over-inflated tyres (See page 177 'Maintenance and Service - Tyres').

Uneven tread wear can be caused by faulty wheel alignment. See page 177 'Maintenance and Service - Tyres'.

## Anti-skid chain

When driving vehicle on the snow, it is recommended to apply S anti-skid chain to the driving wheels.

Anti-skid chain could increase the traction when driving on road in the winter. If you want to fit the anti-skid chain, please remember that:

- 1 Not all wheels and tyres are suitable for anti-skid chain. When fitting anti-skid chain, only approved tyre size can be used.
- 2 Only apply anti-skid chain to two front driving wheels and follow the instructions of anti-skid chain manufacturer.

It is just on the snow that you can drive the vehicle at maximum speed allowed by the anti-skid chain. Please follow the regulations in your country. Remove the anti-skid immediately when on the snow-free road.

## Winter tyres

If the vehicle is expected to travel on the pavements of ice and snow frequently, it is better to equip it with winter tyres. Summer tyres have poor antiskid performance on icy and snowy pavements because of its structure (width, rubber constituent and pattern type etc. of tyre). Although all season tyres can provide good comprehensive performance on most surfaces, they may not be able to provide the force of friction you expect or same performance with winter tyres on

pavements covered by ice or snow. In general, using winter tyres is to increase the force of friction when travelling on the icy and snowy pavements. Some phenomena may occur after using winter tyres, such as traction going down when travelling on the dry road, road noise increased and tread life shortened. Please pay attention to the changes of operation and braking of vehicles after changing the winter tyres.

For availability of winter tyres and detailed information for choosing suitable tyres, please consult our authorized service provider.

### ***If you choose to use winter tyres:***

- Use tyres with same brand and tread pattern type on the four wheels.
- Only use the radial tyre that has the same size, load range and nominal speed with the original tyre.
- If you choose winter tyres with relatively low nominal speed, please do not exceed the maximum nominal speed of the tyre.

## **Loading**

It is the driver's responsibility to ensure no overload in accordance with Chinese laws.

*Note: GVW is indicated on the VIN Plate located at front lower of right/left side 'B' post, please refer to the actual vehicle. This handbook introduces the correct vehicle weight parameters, see page 184 'General Technical Parameters - Vehicle weight parameters'.*

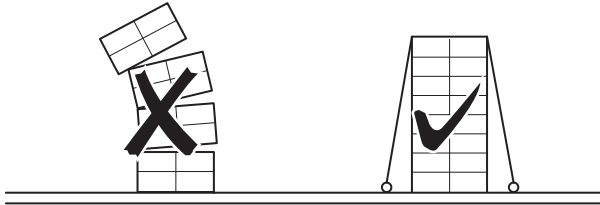
## **Load carrying**

The load should be carried between the two axles, i.e. not at the extreme front or rear of the load carrying area. Bulky loads should be evenly distributed with the heaviest items placed between the two axles.

## Load restraint

**!** Secure all loads in the vehicle to prevent personal injury due to movement of load.

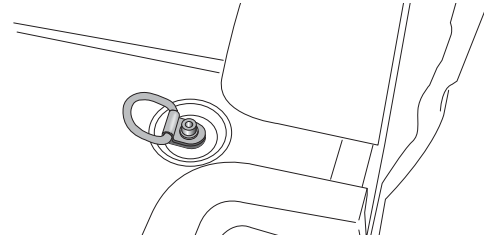
*Note: It is the driver's responsibility to ensure that loads are properly secured.*



## Load restraint assemblies

**!** Load restraint assemblies, when fitted, will stand out from the vehicle floor.

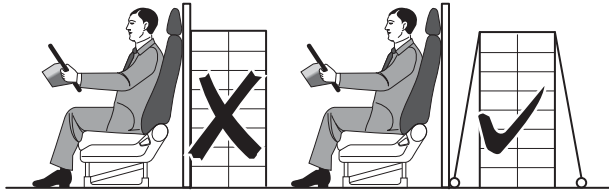
Hole of load restraint assemblies is pre-set on the van floor. Qualified load restraint assemblies can be purchased and fitted from our company authorized Service Dealer.



## Partition



**As the full partition is not designed to restrain loads, loads shall be secured properly against movement even with a partition fitted.**



## Hazardous loads

There is a legal requirement to display a specific type of external warning sign on the vehicle if certain hazardous goods are being carried.



## ***Emergency Troubleshooting***


---

- 136 *Hazard light*
  - 136 *Warning triangle*
  - 137 *Jump start*
  - 139 *Replacing wheel*
  - 144 *Towing vehicle*
  - 146 *Water draining of fuel filter*
  - 147 *Manual oil pumping*
  - 148 *Replacing fuse*
  - 153 *Replacing bulbs*
  - 158 *Manual power side stepwell retracting*
-

# Emergency Troubleshooting

---

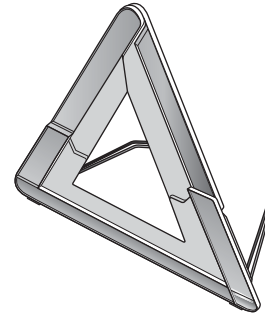
## Hazard light

When your vehicle needs to stop or slow down, press hazard light switch  to light on 'direction indicator (green)' on the instrument cluster and flash all direction indicators, warning others and making the police know you are in trouble.

## Warning triangle

Warning triangle is placed under the driver's seat.

If you have to pull off the vehicle, you need to place a warning triangle about 100m right behind the vehicle to warn others vehicles incoming.



## Jump start

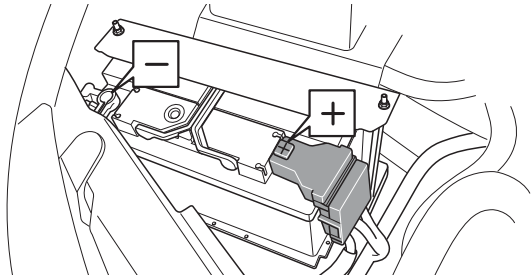
### Battery disconnection



**Always wear protective gloves and eye protecting glasses when working on a battery.**

**Do not use naked light, cause sparks or smoke in the area of the battery. You can be seriously injured and the vehicle damaged.**

Disconnect battery, negative (-) earth terminal first and then positive (+). Connect battery, fit and secure positive cable (+) first and then negative (-) cable. Smear the terminals with petroleum jelly.



### Caution

- Before disconnecting the battery, always switch off the engine and all electrical devices for more than 2 minutes. While disconnecting, never allow the terminal contacts the metal parts of vehicle body. Otherwise short circuit may cause electric spark.
- Electrical system may be damaged if connecting positive and negative cable reversely.

# Emergency Troubleshooting

---

## Jump start

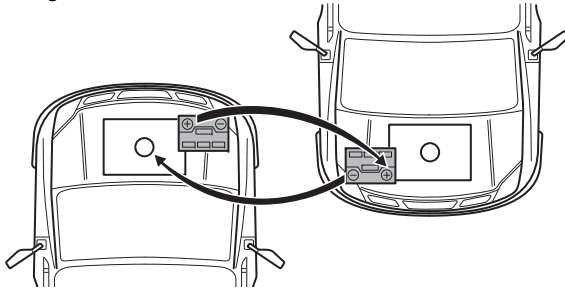


**Never pull or tow the vehicle to start.**

**Ensure the rated voltage of two batteries is the same (12 V) and the jumper cable is acknowledged as the cable used for 12V vehicle battery.**

## Jumper

- Pull two vehicles together as possible.
- Switch off the engine and all electrical devices.
- Connect the positive terminals (+) of two batteries with red jumper cable.
- Connect black jumper cable from power supplying battery negative terminal (-) to earth point (not negative terminal) of battery that need to be powered.
- Ensure all connection mechanisms are well connected.
- Check that the jumper cable clear of any moving parts when the engine starting.
- Check that the handbrakes of the two vehicles are applied and gear lever is in neutral.



## Starting

Start the vehicle whose battery supplies power and allow it to idle for several minutes.

- Start the vehicle whose battery needs to be powered.
- After starting the engine, allow it to idle for two minutes above.

*Note: If it fails to start after several attempts, the vehicle may need maintenance.*

# Emergency Troubleshooting

---

## Disconnecting

- Switch off the engine of the vehicle that supplies power.
- Ensure the cable terminals shall that contact with each other and clear of any moving parts of the engine during disconnecting.
- Remove the jumper cable. Removal is the reverse of connection.

### Caution

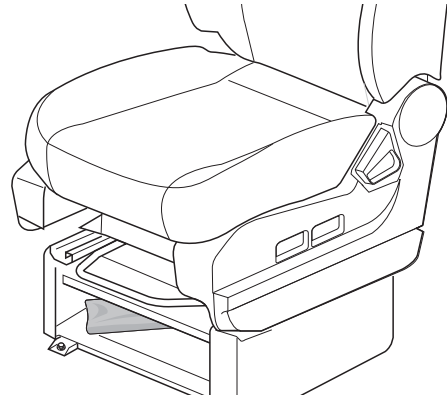
Before removing the jumper cable, never open any electric device of vehicle started. Common Rail engine does not allow traction to start.

## Replacing wheel

### Jack

### Location

Jack is in the vehicle tool kit under the driver's seat.

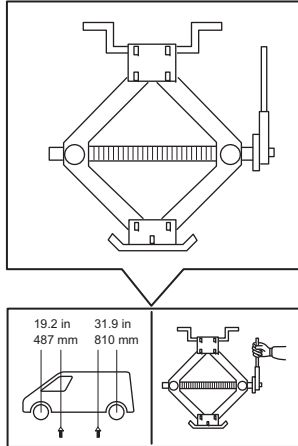


# Emergency Troubleshooting

## Specification



**This jack is just for replacing wheel. Never use it for others. This jack is just for your vehicle and never uses it for other models.**



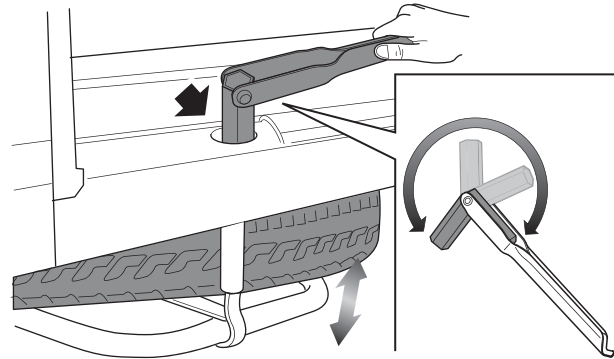
## Spare tyre



**Check the pressure of spare tyre regularly. Using spare tyre of incorrect pressure shall influence wheel stability, which may cause danger and permanent damage to the wheel.**

Spare tyre is located rear underbody. Turn the stay bolt of spare tyre carrier anti-clockwise as illustrated with socket wrench in vehicle tool kit until the carrier is lowered enough to remove the spare tyre.

Retract the spare tyre carrier by reversing the operations above and ensure that it raises fully.



### Caution

Always fully raise and secure spare tyre carrier even without fitting spare tyre.

## Replacing wheel

### Vehicle parking

**!** Park your vehicle in firm and level ground without disturbing traffic or traffic hazard to yourself.

If on the public road, please turn on hazard light and position a warning triangle.

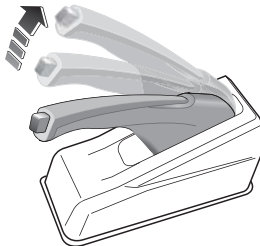
Ensure that the ground where the jack located is firm enough to support the jack and the vehicle to be lifted; otherwise it will move for instability, causing damage to the vehicle and / or personal injury.

**Secure other wheels with proper wheel stoppers.**

**Never use jack if the ground is sloping. If jack is unsuitable to use or you are unsure to complete the task safely, please ask for assistance.**

**Road wheels must be straight-ahead.**

**While switching off the engine, apply handbrake and shift the gear to 1st or reverse position.**



### Positioning jack

**!** Only use jack at specified jacking points. The lifting height shall not be more than the height necessary for tyre replacement (such as no more than 30cm above the ground).

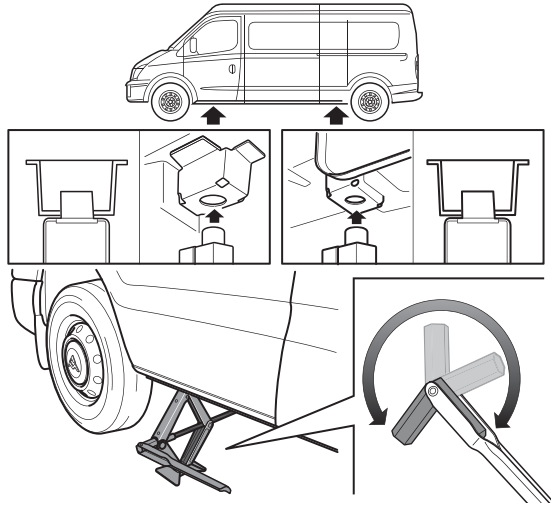
Before using the jack, ensure all occupants have left the vehicle. No person should place any portion of their body under a vehicle that is supported by a jack.

The jack shall be perpendicular to the vehicle body while lifting.

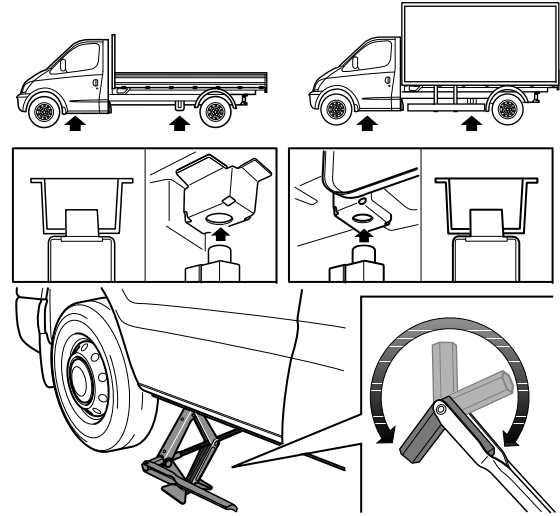
Set jacking points near the wheel to be replaced. Position the jack on the firm and level ground under the jacking points and turn the center screw with socket wrench until jack cap pin enters the hole of jacking point.

# Emergency Troubleshooting

**Type 1**



**Type 2**





# Emergency Troubleshooting

## Replacing with spare tyre



**Never start the engine while lifting. Never get under the lifted vehicle.**

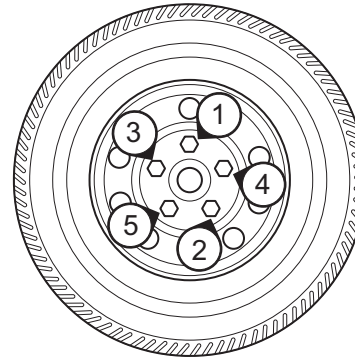
**Before removing wheel bolts, ensure the vehicle is firm without sliding or moving.**

**Torque wrench shall be used to check exact tightened torque of wheel bolts and tyre pressure as soon as possible after replacing the wheel.**

**Replaced wheel, jack and vehicle tool kit must be stored in specified location. Otherwise they may cause damage or personal injury during impact or heavy braking if casually or improperly placed.**

- 1 Remove spare tyre (see page 140 'Spare tyre').
- 2 Check the jack is still perpendicular to the jacking points; Change position when necessary.
- 3 Carefully chip off (never damage paint surface) the trim of replaced wheel.
- 4 Slacken the wheel securing bolts anti-clockwise with socket wrench in the vehicle tool kit.
- 5 Turn the center screw of jack with socket wrench until the wheel to be replaced is just clear of the ground.
- 6 Remove the wheel securing bolts and carefully remove the wheel.
- 7 Replace with spare tyre and secure wheel bolts clockwise.
- 8 Lower the vehicle body and remove the jack.

- 9 Fully turn wheel securing bolts according to diagonal sequence (see illustration). Torque of wheel bolts:  $180 \pm 13$  Nm.
- 10 Fit wheel trim.
- 11 Put away replaced wheel, jack, socket wrench and vehicle tool kit.



### CAUTION

Always fully raise and secure spare tyre carrier even without fitting spare tyre.

# Emergency Troubleshooting

---

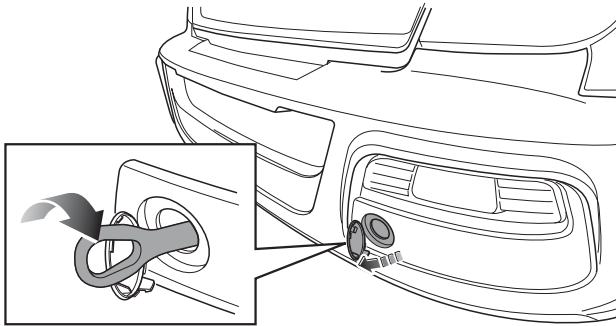
## Towing vehicle

While towing or being towed, relative national regulations about vehicle towing shall be abided by.

## Towing hitch

### Front towing hitch

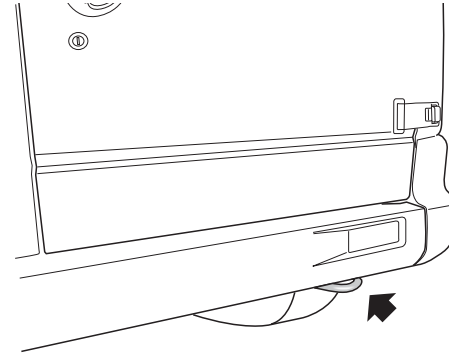
If this vehicle is to be towed from the front, tighten the towing hitch to the left side of front bumper. This towing hitch is placed in the vehicle tool kit.



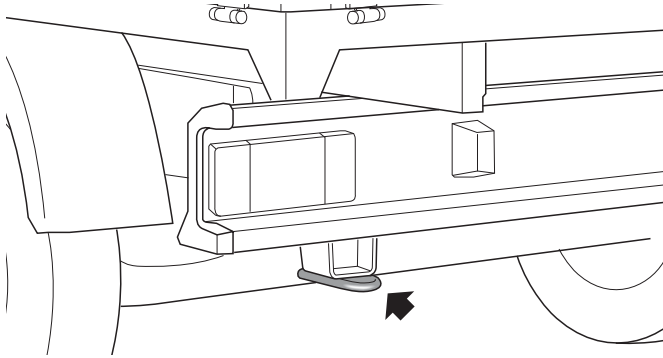
## Rear towing hitch

Towing hitch in the rear of the vehicle can be used to tow other vehicles from behind.

### Type 1



## Type 2



### CAUTION

Max. trailing load of vehicle rear towing hitch is 1,650 kg and never tow vehicle above this load.

## Towing

### Before towed

**!** In order to ensure free movement of steering unit, always turn ignition switch to 'ON' position and hold during towing process to ensure the normal operation of steering unlock, direction indicator and brake lamp.

### Being towed

When being towed, release handbrake and engage neutral.

**!** No brake servo and power steering assistance when the engine is not running. At this time, greater force will be needed to operate brake pedal and greater time and force to turn the steering wheel.

### CAUTION

When towing the vehicle, driving distance shall be no more than 50 Km and towing speed no more than 50 Km per hour, otherwise the transmission will be damaged. No towing while reversing the vehicle, otherwise planet gear mechanism inside the transmission will be damaged.

# Emergency Troubleshooting

## Water draining of fuel filter

**!** Always wear suitable gloves to protect the hands against contact with diesel fuel.

Drain water as below:

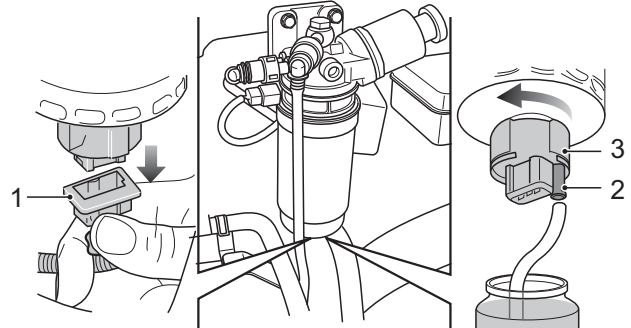
- 1 Turn ignition switch to 'LOCK' position to press and remove connector (1).
- 2 Attach a proper pipe to drain pipe (2) of water level sensor (3) and put the other end into a proper container.
- 3 Slacken water level sensor (3) (but not remove completely) until the water flows out of the pipe.
- 4 Continue to drain water until clean diesel appears and retighten water level sensor (3) and remove the pipe.
- 5 Reconnect the connector (1).
- 6 Start engine. 'Fuel filter water level indicator (amber)' shall be off after about 2 seconds. Check fuel filter for fuel leakage.

*Note: In case of freezing occurred in the water level sensor(3), the water level sensor(3) shall be removed for ice melting before re-use.*

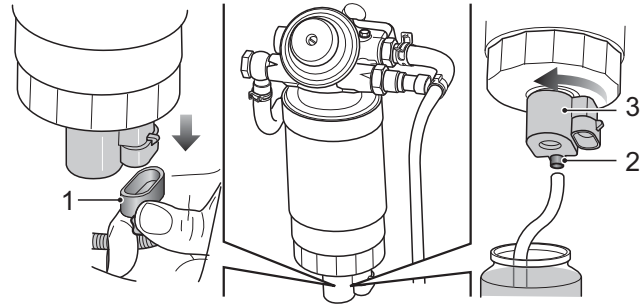
### CAUTION

If 'fuel filter water level indicator' in the right underside of instrument cluster lights on in the cab, please switch off the engine and drain water immediately after parking the vehicle in safe place.

Manual primer handle in the right of fuel filter



Manual primer handle in the front of fuel filter



**Never pour diesel fuel into family or public sewage system. Use your local authorized disposal facilities.**

# Emergency Troubleshooting

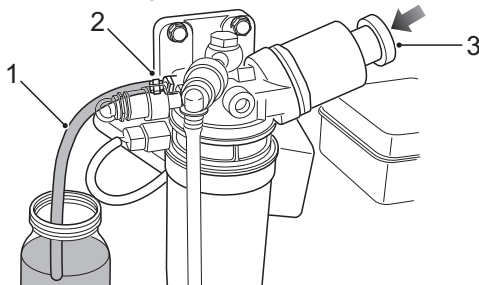
## Manual oil pumping

**!** Always wear suitable gloves to protect the hands against contact with diesel fuel.

While there is air in the fuel system pipeline, the engine will flame out and proper manual oil pumping shall be selected in accordance with fuel filter installed in your vehicle.

For vehicles with manual primer handle in the right of fuel filter, steps below shall be taken for fuel system manual oil pumping:

- 1 Attach a suitable tube (1) to the bleed screw (2) and put the other end into a suitable container.
- 2 Open bleed screw with one turn. Turn manual primer handle (3) on filter anti-clockwise to certain angle until the handle ejects and press the handle several times until several steady fuel streams appear.
- 3 Close the bleed screw and remove the tube.
- 4 Get manual primer handle (3) back to the original location.
- 5 Check that the engine will start.

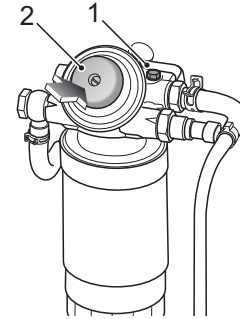


For vehicles with manual primer handle in the front of fuel filter, steps below shall be taken for fuel system manual oil pumping:

- 1 Open bleed screw (1) with one turn.

*Note: a wrench is available in the tool kits to open the bleed screw.*

- 2 Press manual prime handle (2) on filter several times until fuel overflowed from bleed screw (1) .
- 3 Close the bleed screw and clean overflowed fuel.
- 4 Check that the engine will start.



### CAUTION

The bleed screw(2) shall be tightened tightly before engine start.



**Never pour diesel fuel into family or public sewage system.**

# Emergency Troubleshooting

## Replacing fuse

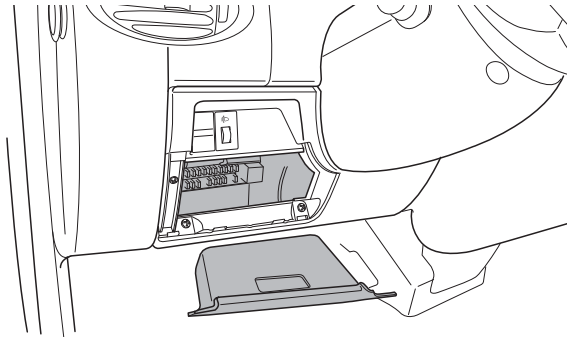
Fuses of this vehicle are located in three boxes.

### Caution

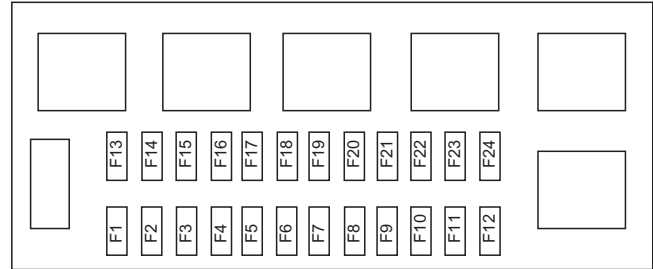
Spillage of liquid to any electric components in the vehicle may damage the components, so it is required to cover any electric components. The content of the fuse specification list according to the vehicle configuration and technical status will be constantly updated, please refer to actual state of your vehicle.

### Main fuse box

Main fuse box is located in the left underside of steering wheel. Fuse is accessible just by removing main fuse box cover.



Fuses in main fuse box can be identified with labels printed on the back of fuse box cover.



# Emergency Troubleshooting

## Specification of fuse in main fuse box

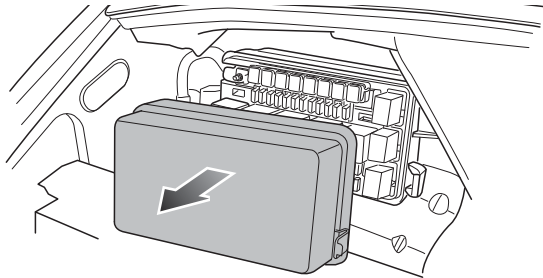
Fuse	Specification	Color	Function
F1	10A	Red	Front roof vanity light
F2	10A	Red	Instrument cluster
F3	25A	Natural color	Body control module
F4	10A	Red	Body control module
F5	5A	Grey	Intermittent wiper
F6	30A	Green	Spare
F7	20A	Yellow	Body control module
F8	15A	Blue	Audio
F9	15A	Blue	Body control module
F10	10A	Red	AC control panel
F11	20A	Yellow	Power side stepwell
F12	25A	Natural color	Power Windows
F13	10A	Red	Ignition switch power
F14	25A	Natural color	Wiper
F15	10A	Red	Airbag control module
F16	10A	Red	ABS control module
F17	10A	Red	Tyre pressure monitor, mirror adjustment, washer and vehicle reverse
F18	10A	Red	Engine control module

Fuse	Specification	Color	Function
F19	15A	Blue	Cigarette lighter
F20	7.5A	Brown	Audio and body control module
F21	10A	Red	Heated exterior mirror
F22	10A	Red	Rear roof vanity light
F23	7.5A	Brown	Start signal
F24	7.5A	Brown	Blower relay coil

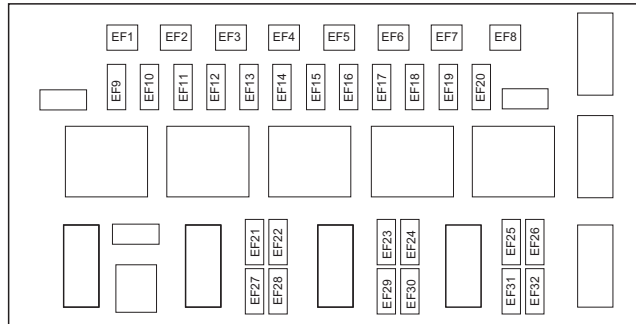
# Emergency Troubleshooting

## Auxiliary fuse box

Auxiliary fuse box is located in the left side of bulkhead at the bottom of engine hood (vehicle front view).



Fuse is accessible just by removing auxiliary fuse box cover. Fuses in auxiliary fuse box can be identified with labels printed on the back of fuse box cover.



## Specification of fuse in auxiliary fuse box

Fuse	Specification	Color	Function
EF1	60A	Yellow	Glow plug
EF2	40A	Green	Ignition switch power2
EF3 (MT)	30A	Pink	Ignition switch power1
EF3 (AMT)	40A	Green	Ignition switch power1
EF4	40A	Green	Main fuse box
EF5	50A	Red	Cooling fan 1
EF6	50A	Red	Cooling fan 2
EF7	30A	Pink	Fuel heater
EF8	40A	Green	ABS system
EF9	10A	Red	Horn
EF10	30A	Green	Main fuse box
EF11	20A	Yellow	Main beam
EF12	15A	Blue	Front fog light
EF13 (MT)	10A	Red	Brake lamp
EF13 (AMT)	30A	Green	TCU
EF14 (MT)	10A	Red	AC compressor
EF14 (AMT)	10A	Red	TCU
EF15	25A	Natural color	ABS system
EF16	25A	Natural color	Vehicle inverter
EF17	30A	Green	Rear blower

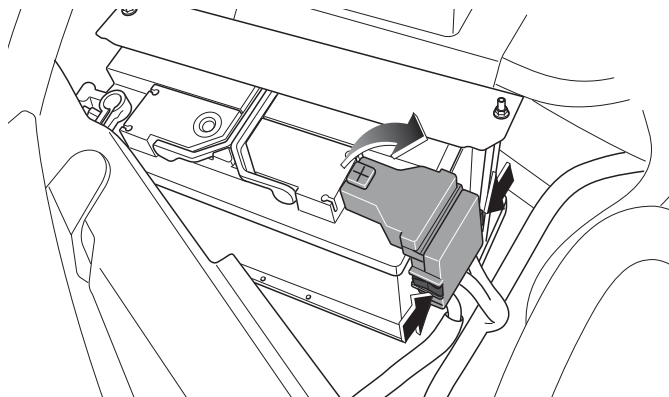


# Emergency Troubleshooting

Fuse	Specification	Color	Function
EF18	30A	Green	Rear de-mist
EF19	20A	Yellow	Position lamp
EF20	30A	Green	Main relay
EF21	10A	Red	Left dipped beam
EF22	10A	Red	Right dipped beam
EF23	10A	Red	Headlamp adjustment
EF24	10A	Red	Left main beam
EF25	10A	Red	Right main beam
EF26	10A	Red	Left position lamp
EF27	10A	Red	Right position lamp
EF28	10A	Red	Engine control module
EF29	10A	Red	Engine control module
EF30 (MT)	30A	Green	Spare
EF30 (AMT)	30A	Green	Brake Switch
EF31	15A	Blue	Engine control module
EF32	7.5A	Brown	Instrument cluster(front fog light indication)

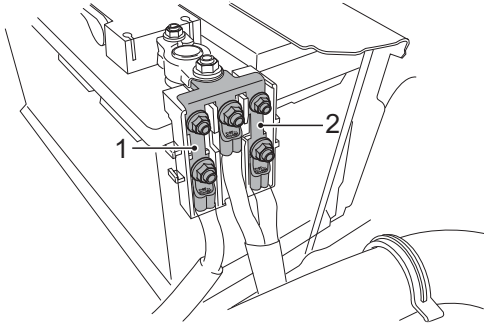
## Pre-fuse box

Pre-fuse box is located on battery positive terminal in the left side of engine compartment bulkhead (vehicle front view).



3

# Emergency Troubleshooting



Specification of fuse in pre-fuse box

Fuse	Specification	Function
1	175A	Auxiliary fuse box
2	175A	Alternator

## Replacing fuse



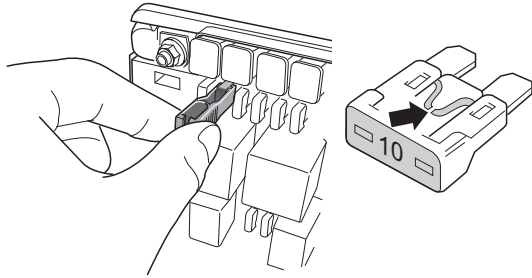
**Only replace with fuses of the same specifications / rated current. Fitting nonspecific fuse will damage electrical system and even cause fire.**

**Before attempting to replace the fuse, ignition switch and all electrical devices shall be turned off. Any unauthorized change to vehicle electrical system will cause serious adverse effect and fire on the electronic management system.**

Pull the fuse outward with puller provided in fuse box to remove the fuse. Internal wiring of the fuse can be used to identify blown fuse (arrowed).

*Note: Repeat faults occurred to the same fuse indicates circuit failure and our company authorized Service Dealer shall be contacted immediately for inspection.*

# Emergency Troubleshooting



## Caution

Unauthorized changes to electrical system will make warranty invalid.

## Replacing bulbs

Before replacing any bulbs, turn off ignition switch and light switch to prevent any possible short circuit.

When removing or fitting bulbs, never touch the bulb with hands and if touched, clean hand trace on the bulb with cloth or alcohol.

## Caution

Replace with bulb of the same category and specification as the original one.

## Bulb specification

Bulb	Specification
Headlamp (halogen bulb)	H4 60/55W
Front fog light	H8 35W
Front direction indicator	PY21W 21W
Front position lamp	LED
Rear direction indicator	P21W 21W
Side direction indicator	LED
Reverse light	P21W 21W
Rear fog light	P21W 21W
Brake light / rear position lamp (Type 1)	P21/5W 21/5W

# Emergency Troubleshooting

Bulb	Specification
Brake light (Type 2)	P21W 21W
Rear position lamp (Type 2)	R5W 5W
Brake high level light	LED
Number plate light (Type 1)	W5W 5W / LED
Number plate light (Type 2)	R5W 5W
Front roof vanity light	C5W 5W
Rear roof vanity light	C5W 5W
Power side stepwell light	C5W 5W

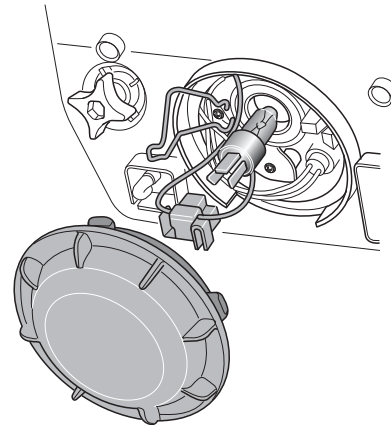
Bulb removal procedures are as below (no re-description for fitting procedures as they are the reverse of removal) and for other bulbs not listed for replacement, our company authorized Service Dealer shall be contacted for inspection as soon as possible.

## Headlamp

Open engine hood;

At the rear of headlamp:

- turn lamp cover anti-clockwise to remove it;
- Carefully disconnect 3-pin connector;
- Release spring clip and pull it out along hinge;
- Remove the bulb.



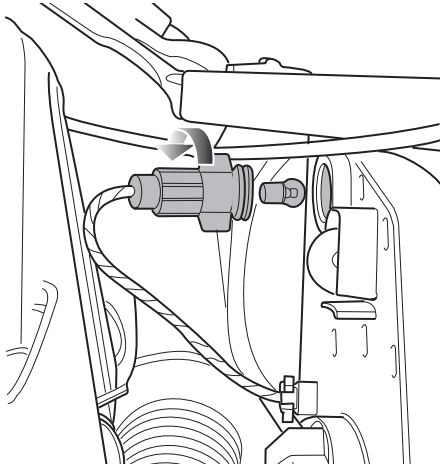
# Emergency Troubleshooting

## Front direction indicator

Open engine hood;

At the rear of headlamp:

- Turn direction indicator bulb holder anti-clockwise to pull it out;
- Remove the bulb.



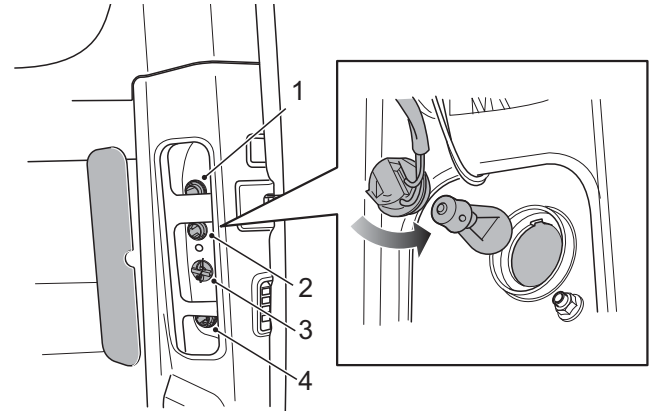
## Rear combined light

Remove trim panel to get access to the rear of rear combined light;

Identify the trouble light from the inside of the vehicle;

Turn the holder of the bulb to be replaced anti-clockwise to pull it out. Remove the bulb.

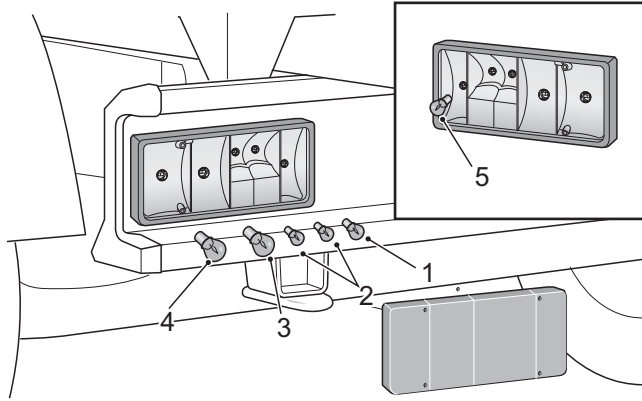
### Type 1



- 1 Brake light / rear position lamp
- 2 Rear direction indicator
- 3 Reverse light
- 4 Rear fog light

# Emergency Troubleshooting

## Type 2

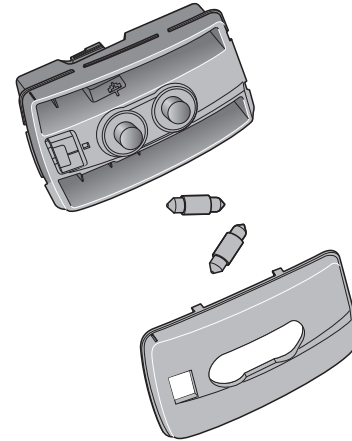


- 1 Rear fog light (in the left rear combined lamps)
- 2 Rear position lamp
- 3 Brake light
- 4 Rear direction indicator
- 5 Reverse light (in the right rear combined lamps)

## Front roof vanity light

### With rear AC and heating

Pry the glass with screw-driver or similar tools;  
Remove the trouble bulb.

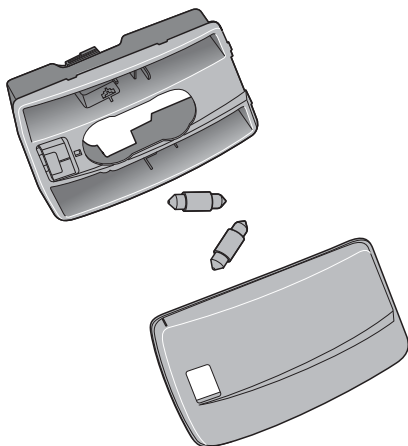


# Emergency Troubleshooting

---

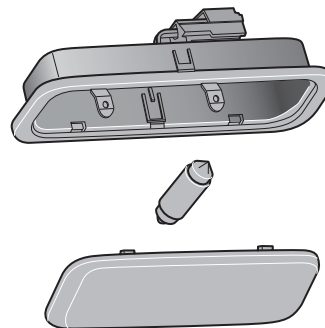
## Without rear AC and heating

Pry the glass with screw-driver or similar tools;  
Remove the trouble bulb.



## Rear roof vanity light

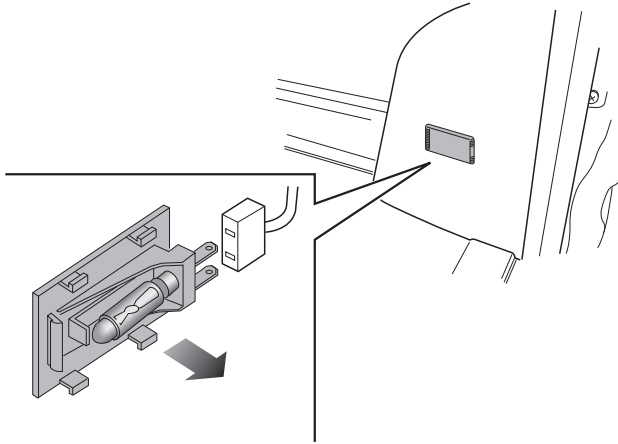
Pry the glass with screw-driver or similar tools;  
Remove the trouble bulb.



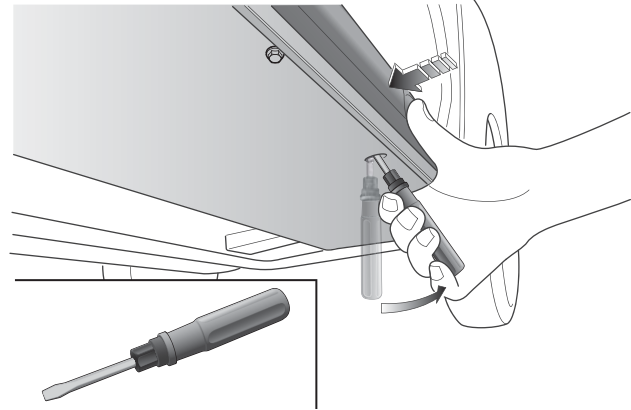
# Emergency Troubleshooting

## Stepwell light

Pry the stepwell light with screw-driver or similar tools and remove the trouble bulb.



## Manual power side stepwell retracting



When power side stepwell can not be retracted due to any circuit fault, manual operation could be applied as follows:

- 1 Take the screwdriver out of the vehicle tool kit and select the slot head.
- 2 Correctly insert it to the bottom elliptical hole located nearer to outside. Insert along with inside walls and pay attention to direction of flat screwdriver.
- 3 Use right thumb to press the rubber strip and other four fingers to pry screwdriver outward.
- 4 Keep prying and use left hand to push side stepwell inward.
- 5 Withdraw the screwdriver when side stepwell is retracted.



## ***Maintenance and Service***

---

- 160 Safety
  - 161 Scheduled maintenance
  - 161 Owner's check
  - 162 Engine compartment
  - 163 Engine hood
  - 164 Engine oil
  - 167 Coolant
  - 168 Brake fluid
  - 170 Power steering fluid
  - 171 Washer fluid
  - 171 Washer jet
  - 172 Wiper blade
  - 173 Battery
  - 177 Tyres
  - 178 Seat belt
  - 179 Other maintenance
-

## Safety

When performing any inspection or maintenance work on your vehicle, always exercise care to minimize the risk of personal injury or damage to the vehicle and always observe the following safety precautions at all times.



**Turn off the ignition and remove the key unless a specific procedure requires otherwise.**

**Always keep hands, tools and items of clothing clear of all drive belts and pulleys when the engine is running.**

**The radiator cooling fan may start at any time, (even when the engine is not running). Always keep hands and loose clothing e.g. tie, scarf etc. away from the fan blades.**

**When / after the engine is / has been running, many underbonnet components will be hot, e.g. the engine, exhaust system, cooling system, power steering fluid reservoir etc. Do not touch until they are cool.**

**High pressure common rail is applied in engine fuel system and never perform removal without permission as great pressure of common rail may cause personal injury.**

**Do not touch electrical wires or components with the ignition switch to 'ON' position. Remember that the battery and vehicle wiring carry high currents or voltage which could cause personal injury. Be careful not to cause a short circuit.**

**Never leave the engine running in an unventilated area; exhaust gases are poisonous and extremely dangerous.**

**Wherever possible, work in the engine compartment with the engine stopped and the battery disconnected (see page 137 'Emergency Troubleshooting - Jump start'. If it is necessary to check underbonnet with the engine running, ensure that the vehicle is on level ground, handbrake applied and gear lever in neutral.**

**Ensure matches and naked lights are kept away from the battery area and all fuel related parts. Never smoke near these areas and parts.**

**Most liquids used in motor vehicles are poisonous and never consumed or brought into contact with the skin or eyes (these include battery acid, anti-freeze, brake fluid, power steering fluid, diesel fuel, oil, washer fluid, lubricants and refrigerant). Wear protective gloves if fill-up necessary. Always obey all instructions printed on labels and containers. Use eye protection if working on or under your vehicle where you may be exposed to flying or falling material, fluid spray etc.**

**Prolonged contact with engine oil may cause serious skin disorders, including dermatitis and skin cancer. Wash thoroughly after contact.**

**Keep children and pets clear of the vehicle. Do not allow anyone in the vehicle unless specifically working to your instructions. Keep oils, fluids and grease away from children.**

## **Scheduled maintenance**

Regular maintenance is the key to economy, safety and reliability for your vehicle and it must be remembered that the responsibility for maintaining your vehicle in a safe, roadworthy condition rests ultimately on you, the owner/operator.

Necessary maintenance and the intervals have been specified to maintain your vehicle properly. Regular vehicle maintenance shall be done by our company authorized Service Dealer in accordance with Warranty & Service Handbook.

It is in your best interest to have your vehicle regularly maintained in accordance with regulations.

Our company authorized Service Dealers are recommended as they have qualified personnel, required facilities and can offer the unique pre-planned service which will give maximum vehicle reliability.

## **Owner's check**

The following are a few simple but important checks which you should make at regular intervals before driving to ensure reliable, economic operation:

### **Daily checks**

- Operation of all lights (ensure all lenses are clean), horn, instrument cluster, warning lights and indicators, windscreen wipers and washers.
- Operation of seat belts.
- Correct functioning of brakes.
- Visually check for signs of water, oil, fuel, exhaust and other leaks under the vehicle.

## Weekly checks or check before a long journey

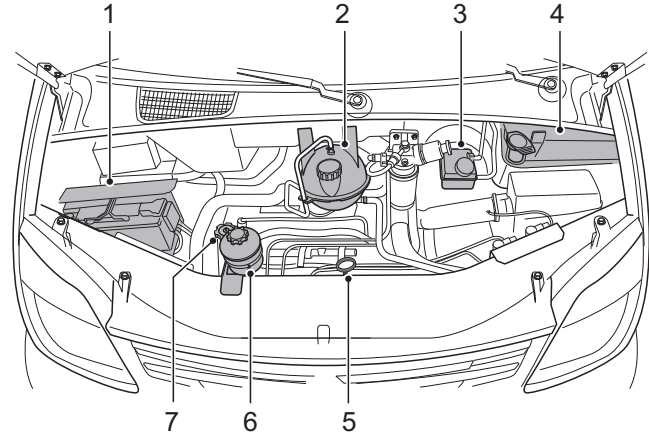
- Check for fluid level / fluid fill-up.
  - Engine oil
  - Coolant
  - Windscreen washer fluid
  - Power steering fluid
  - Brake fluid
- Check for condition and pressure of all tyres (including spare tyres).
- Check and operate AC system.

## Arduous use

For vehicles often subject to arduous use it is recommended that service intervals are reduced.

Regular vehicle maintenance shall be done by our company authorized Service Dealer in accordance with Warranty & Service Handbook.

## Engine compartment



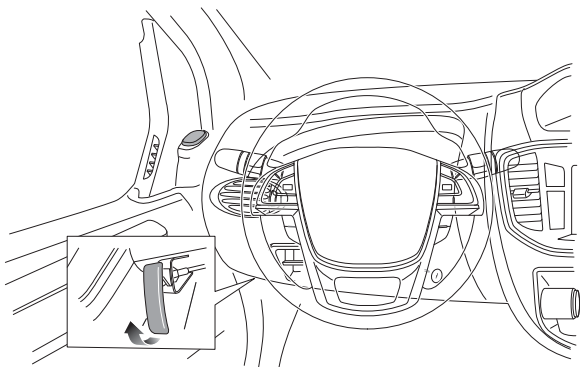
- 1 Battery
- 2 Coolant expansion tank
- 3 Brake fluid reservoir
- 4 Washer fluid reservoir
- 5 Engine oil dipstick
- 6 Power steering fluid reservoir
- 7 Engine oil filler cap

*Note: Brake fluid reservoir cover and the engine oil dipstick handle are colored yellow for ease of identification.*

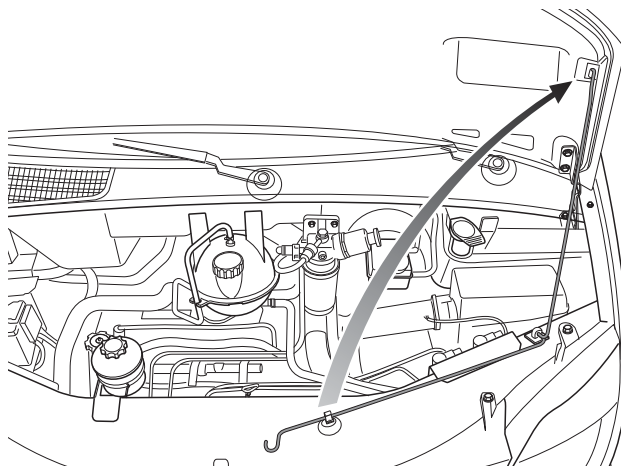
## Engine hood

### Open engine hood

- 1 Pull out the bonnet release handle below the fascia.



- 2 Raise the front of engine bonnet slightly and push the safety catch to the right to lift the bonnet.
- 3 Raise the support stay, and fit the end into the slot in the bonnet.



## Close engine hood



**The radiator cooling fan(s) may start at any time when the key is in the 'on' position, Always keep hands and loose clothing e.g. tie, scarf etc. away from the fan blades.**

**If the engine is running, keep hands, clothing etc. clear of rotating pulleys, drive belts, fan blades, etc.**

To close, support the front of the bonnet, release and re-clip the support stay and lower the bonnet.

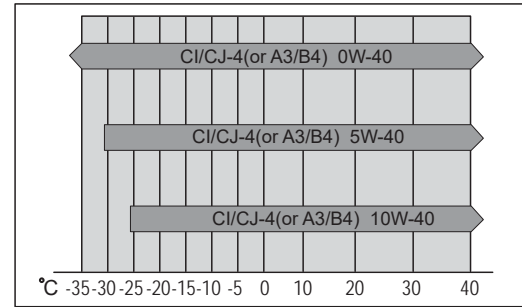
Press the front of the bonnet down until the lock catch is heard to engage. Attempt to pull the bonnet upwards to check that the lock mechanism is engaged properly.

### Caution

Before closing, check that no tools, rags, equipment etc. remained in the underbonnet area.

## Engine oil

It is recommended to use oil of correct make. Fully synthetic oil 10W40 is suggested for use to Euro IV engine and 5W40 is suggested for use to Euro V and VI engine. Table below can be as reference for oil selection.



CI-4(or A3/B4) oil for Euro IV engine and CJ-4(or A3/B4) oil for Euro V and VI engine or higher level can be used as well.

Our company authorized Service Dealer is pleasant to provide you with the latest changes and improvements of recommended oils.

If you are using your vehicle in areas of extreme cold, we advise you to use oil of a CI-4(or A3/B4) 0W-40 for Euro IV engine and oil of a CJ-4(or A3/B4) 0W-40 for Euro V and VI engine.

## Caution

Do not use oils fail to meet the above-specifications. Improper use of engine oil may lead to engine damage, which will invalidate the warranty.

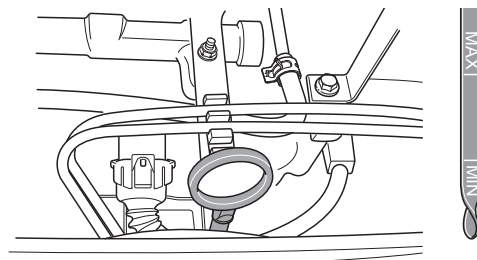
## Inspection and charge

**!** Do not top-up above the maximum mark. Prolonged exposure to used engine oil can cause serious skin disorders. Avoid excessive skin contact, and wash thoroughly if contact occurs.

**Keep engine oil out of reach of children and pets.**

Always check the oil level with the vehicle on level ground and the engine stationary (cold condition). If the engine is in hot condition, turn off ignition switch and wait 2 minutes before checking.

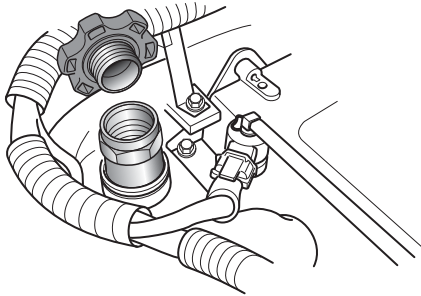
Withdraw the dipstick and wipe the blade clean with paper or a non-fluffy cloth. Re-insert the dipstick fully, and then withdraw it. The oil level indication must be between the 'MAX' and 'MIN' marks.



## Caution

Often check engine oil level and top-up when necessary. Charging too much or too less engine oil may damage the engine and invalidate warranty.

If topping-up necessary, unscrew the oil filler cap by turning it anti-clockwise and top-up with the new oil of right specification. The quantity required for the level rising from the bottom to top mark is 1 litre. Allow time for the oil to drain to the sump before repeating the level checking procedure. Top-up again if necessary until the oil level is correct.



**Empty containers and used oil must not be discarded casually to avoid polluting the environment.**

### **Oil consumption**

The amount of engine oil consumption is influenced by many factors (also will affect fuel consumption), among which type of oil and how to drive the vehicle, particularly during the running-in period, are two of the most important. Oil consumption is usually high during running-in period and driving in continuous high speed. The recommendations on driving techniques herein must be observed. See page 104 'Starting and Driving - Driving'.



## Coolant



**Antifreeze is harmful if swallowed. Do not allow antifreeze to contact the eyes or skin. If it does, rinse immediately with plenty of water.**

The correctly specified coolant not only protects the engine from frost damage but also gives year round protection against corrosion. Never driving the vehicle if coolant of correct specification is not filled. Coolant specification see page 188 'General Technical Parameters - Recommended fluid oil'.

At specified intervals the cooling system should be drained, flushed and refilled with the correct amount of anti-freeze solution.

### Caution

When charging or replacing coolant, only specified coolant can be used. The use of non-recommended anti-freeze could cause damage to the cooling system and may invalidate the warranty.

## Inspection and charge



**Do not open the expansion tank cap when the system is in hot condition, otherwise you may be injured by water vapour or hot coolant. If coolant has to be charged when the engine is hot, wait 10 minutes, place a thick cloth over the filler cap and turn the cap slowly anti-clockwise to release the pressure in the expansion tank before removing the cap.**

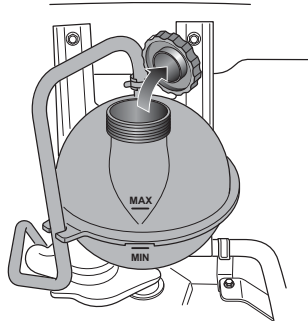
Always check the coolant level with the vehicle on level ground and the engine stationary (cold condition).

The level is visible in coolant expansion tank and normal level shall be between 'MAX' and 'MIN' marks.

If the level drops to 'MIN' mark, clean area around the coolant expansion tank cap and then turn anti-clockwise to remove it. Top-up with the specified fluid between 'MAX' and 'MIN' marks. Fit expansion tank cap.

*Note: Coolant expands when it gets hot, and the level may then be higher than the level mark.*

*Note: Overfilling will cause an overflow and loss of cooling while the engine warms up. Fill only to the level indicated when the engine is cold.*



## Caution

If the level has fallen appreciably, or topping-up is required frequently, suspect leakage or overheating and contact our company authorized Service Dealer for inspection.

## Precautions in cold weather

To reduce the possible problems caused by the use of coolant in cold weather, the following recommendations should be taken into consideration:

- The standard freezing point of coolant used in the vehicle is  $-35\text{ }^{\circ}\text{C}$  (the mixture ratio of coolant and water is 1:1), therefore it is required to park the vehicle in an area that can maintain the coolant temperature above  $-35\text{ }^{\circ}\text{C}$ .
- When the vehicle is used in an extremely cold area where the temperature is lower than  $-35\text{ }^{\circ}\text{C}$ , a suitable proportion of coolant based on the local temperature is recommended. (Refractometer T10007 can be used to detect the freezing point of coolant.)

## Brake fluid



If there is an appreciable drop in the level of the brake fluid, contact our company authorized Service Dealer as soon as possible.

Use only new, specified brake fluid. Use of old or unspecified fluids can cause loss of braking performance.

Brake fluid cleanliness is essential. Any dirt entering the system can cause loss of braking performance.

Do not allow brake fluid to contact the skin or the eyes; If it does, rinse immediately with plenty of water. Keep brake fluid out of the reach of children.

Do not spill brake fluid on the engine; otherwise it may burn if the engine is hot and possibly cause fire and engine damage.

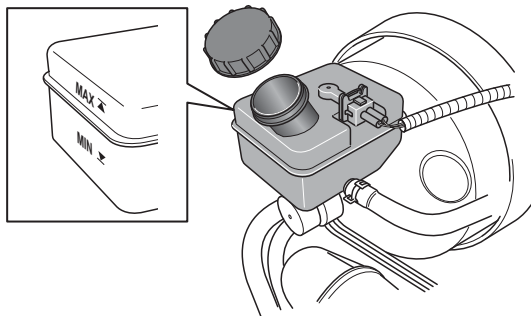
*Note: The hydraulic clutch also uses fluid from the self-braking reservoir.*

## Caution

- Only top-up the brake master cylinder with brake fluid complying with specification DOT4. Do not use any other type of fluid.
- Brake fluid will damage paintwork if allowed to contact it. Wipe clean immediately and flush with water.

## Inspection and charge

Always check the brake fluid level with the vehicle on level ground and the engine in cold condition. Brake fluid level is visible on the reservoir and the normal level shall be between 'MAX' and 'MIN' marks. If the level drops to 'MIN' mark, clean area around the filler cap and then turn anti-clockwise to remove it. Fill up specified new brake fluid between 'MAX' and 'MIN' marks and fit the reservoir cover.



If the level falls below 'MIN' mark, 'brake system warning light



(red) on information center display will light on. This indicates fault in the braking system which must be investigated immediately. If driving, IMMEDIATELY bring the vehicle carefully to a halt. You should contact our Service Dealer immediately. Do NOT drive the vehicle.



**Never discard used brake fluid casually to avoid polluting the environment.**

## Power steering fluid

### Caution

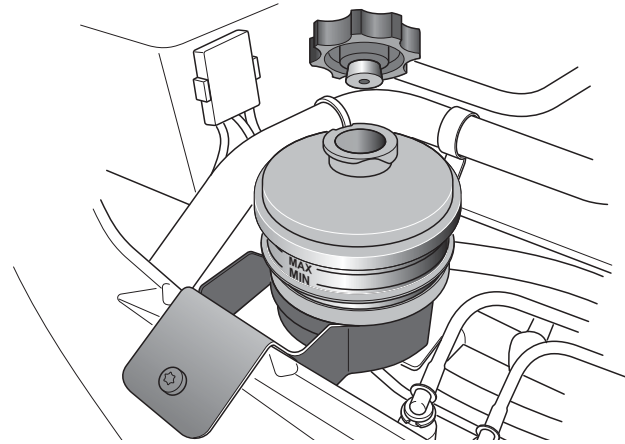
Always use fluid conforming to ATF-DEXRON III specification.

### Inspection and charge



**If there is an appreciable drop in the fluid level, contact our company authorized Service Dealer for inspection as soon as possible.**

Always check the power steering fluid level with the vehicle on level ground, the system in cold condition and the front wheels in straight-ahead position before the engine started. Power steering fluid level is visible on the reservoir and the normal level shall be between 'MAX' and 'MIN' marks. If the level drops to 'MIN' mark, clean area around the filler cap and then turn anti-clockwise to remove it before charging new and specified fluid between 'MAX' and 'MIN' marks. Fit reservoir cover.



### Caution

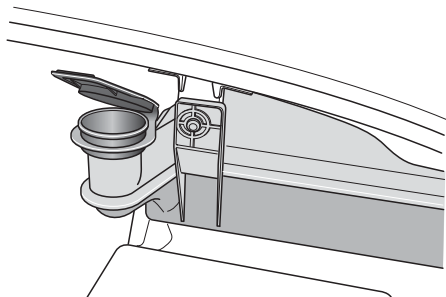
- Do not overfill.
- Do not allow dirt to enter the power steering fluid reservoir.
- Operating the vehicle with insufficient fluid in the reservoir could cause damage to the power steering unit.

## Washer fluid

### Inspection and charge

**!** Driving with a non-operational washer system can be dangerous; always check it before driving.

The windscreen washer reservoir is located in the engine compartment. To top-up, lift the front of the filler cap to fill washer fluid and then refit it. Washer fluid specification see page 188 'General Technical Parameters - Recommended fluid oil'.



#### Caution

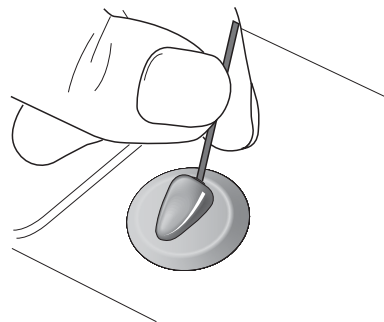
Do not use washer fluid that does not comply with requirements. Do not use tap water as mineral substance in tap water will easily block windscreen washer fluid pipeline or jet.

## Washer jet

### Adjusting and cleaning

Prior to carrying out jet adjustment or cleaning, ensure that the washer reservoir is topped-up. Use a piece of thin wire or a pin to carefully clean the jets if the jet is blocked.

Direction of washer jet has been set in manufacturing works and normally no adjustment required. If adjustment is required, carefully insert a fine needle into the jet hole to re-position the jet to direct the spray direction towards the middle of the windscreen.

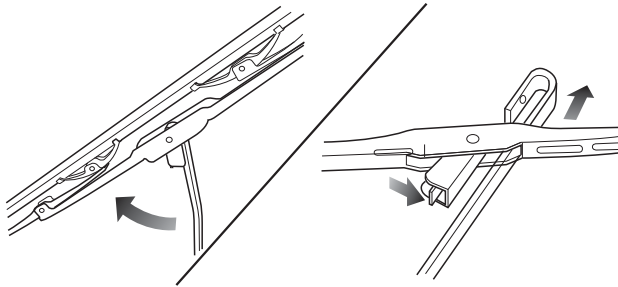


## Wiper blade

### Inspection

Examine the edge of the blade for roughness or damage, and check that the blade rubber is secure throughout its length.

*Note: Traces of grease and other impurities on the rubber can prevent the wipers from working correctly, and can also damage the windscreen glass.*



### Replace

#### Removal

— Lift the wiper arm from the windscreen and position the blade at right angles to the arm.

— Push down the clip (arrowed) and slide the blade carrier down the arm to disengage the pivot on the carrier from the hook on the arm.

*Note: Note the relative positions of the hook and carrier as the replacement blade must be fitted the same way round.*

#### Installation

— Fit the blade carrier over the hook.

— Engage the pivot in the hook, and then push it into position until it is heard to click into place.

### Maintenance and service

Wash with good cleaner or neutral detergent and wipe clean with soft dry cloth that is free of lint.

## Battery

Warning on battery:



Wear goggles!



The acid liquor in battery is strongly corrosive. Ensure to wear protective gloves and goggles!



Any open fire, spark, hard light and smoking is strictly forbidden!



Explosive gas mixture may be generated during battery recharging!



Ensure to keep any child away from the acid liquor and the battery!



**There may be risks of injury, corrosion, accident and fire during operations to the battery and any electric apparatus in the vehicle!**

Ensure to wear goggles. Do not let any acid or leaded grains into your eyes or onto your skin or clothes.

The acid liquor in battery is strongly corrosive. Ensure to wear protective gloves and goggles. Do not turn over the battery, or acid liquor may be discharged from the exhaust vent. If any acid liquor touched your eyes, immediately flush with clean water for several minutes before seeing the doctor. If any acid liquor spills onto your skin or clothes, immediately neutralize it with thick

liquid soap, and then flush with plenty of water. If any acid liquor is swallowed accidentally, see the doctor immediately.

Any open fire, spark, hard light and smoking is strictly forbidden. During working on cables and electric devices and removing electrostatic loads, avoid generating any spark. The electrodes of battery can NEVER be short-circuited, or may cause injury due to large energy spark.

Explosive gas mixture may be generated during battery recharging. The gas vent of battery should be kept unblocked to discharge the gas correctly. During recharging, the battery should be located in a space with good ventilation.

Ensure to keep any child away from the acid liquor and the battery.

Before working on any electric devices, please shut down the engine, ignition switch and all of the electric devices. Remove the negative cable of battery. When replacing bulbs, only the lights are required to be shut down.

Pay attention to the polarities of power supply. Before powering on, the matches of polarities must be checked.

The duration of each powering on should not be less than 5 seconds. Try to avoid powering on and off too frequently.

When removing the battery, please remove the negative cable before positive cable.

**Before powering on the battery again, all of the electric devices should be shut down. Connect the positive cable before negative cable. Never connect the cables incorrectly - risk of fire!**

**Unauthorized removing and installing of battery is strictly forbidden. In some cases, such operations may cause severe damage to the battery and fuse box. Please contact our authorized service provider.**

**Do not disconnect the battery when the ignition switch is on or the engine is running, or may cause damage to the electric devices (electric components).**

**To prevent the battery housing from exposing to ultraviolet ray, do not expose the battery under the sunshine.**

## **Duration of storing the vehicle**

If the vehicle is stored for long time, devices consuming quiescent current (such as clock, safety device) can exhaust the power of battery, which requires to recharge the battery. To prevent this from happening, please recharge the battery or disconnect its negative cable during storing of the vehicle.

*Note: Please read the warnings about battery before working on it.*

<b>Caution</b>
Ensure to turn off the ignition switch during storing, otherwise the storing duration can be reduced significantly.

## **Operating in winter**

There are some strict requirements on operating the in-car battery in winter. In addition, the battery can only provide starting power which is a part of that in normal temperature. We suggest to have the in-car battery checked by our authorized service provider before the cold season, and recharge it if necessary.

If the vehicle is not used for weeks in cold season, please remove the in-car battery and store in an ice-free room, to prevent it from freezing and damage.



## Recharging the battery with ground equipment



**Do not recharge any frozen battery, or may cause explosion! Even if the battery is unfrozen, there may be acid liquor spilling out and cause corrosion. Any frozen battery must be replaced.**

Turn off the ignition switch and all of the electric devices before recharging.

If the vehicle has been stored for long term and cannot be started due to out of electricity (general terminal voltage  $\leq$  12V), the battery must be removed from the vehicle and recharged with ground equipment (follow the instructions provided by manufacturer of the recharging equipment).

During recharging with low current (e.g, a small recharging device), it is unnecessary to remove the connecting cables of battery. However, please ensure to read the instructions from manufacturer of the recharging device.

Before quick recharging (i.e, high current recharging), both of the cables must be removed.

*Note: Before working on the battery, please pay attention to the warnings on battery. During recharging, the recharging device can only be connected after the terminal clamps of recharging device is connected to the electrodes of battery. After the recharging is finished, firstly turn off the recharging device, remove the power cable, and then remove the terminal clamps of recharging device from the battery.*

### Caution

- Keep any child away from the battery, acid liquor and recharging device.
- The battery can only be recharged in space with good ventilation. Smoking is strictly forbidden. Ensure to keep away from open fire and spark, because explosive gas mixture may be generated during recharging of the battery.
- Protect your eyes and face, never be too close to the battery.
- If any acid liquor touched your eyes or skin, immediately flush with clean water for several minutes before seeing the doctor.
- There is risk to quickly recharge the battery, which should be done by our authorized service provider due to requirements on special recharging device and knowledges. Any frozen or unfrozen battery must be replaced, because cracks may be found on the frozen housing. It may cause leak of acid liquor and damage to the vehicle.

## Removing the battery

Shut down the ignition switch and all of the electric devices before removing the battery.

To remove the battery, firstly remove the negative cable and then the positive cable. And then remove the bolt on the mounting bracket of battery to remove the battery.

## Replacing the battery

The battery installed on your vehicle is designed for the corresponding mounting location. To replace the battery, please ensure to use one with the same voltage (12V), structure and safety label. The current strength and capacity should be same with the original battery. Our authorized service providers can offer you with genuine batteries.

When replacing the battery, please ensure that the ignition switch is powered off and all of the electric devices are shut down.



**Concerning the disposal of used battery, it is suggested to have the battery replaced by our authorized service provider. Additionally, the battery can never be treated as household garbage because it contains sulfuric acid and lead.**

## Installing the battery

Before installing the battery, please power off the ignition switch and shut down all of the electric devices.

Locate the battery into the position, and fix it with battery bracket.

When connecting the battery, please fix the positive cable before negative cable.

Caution
To prevent the battery from discharging, please power off the ignition switch when you leave the vehicle.

## Tyres

**! DEFECTIVE TYRES ARE DANGEROUS! Do NOT drive your vehicle if any tyre is excessively worn or damaged, or is inflated to an incorrect pressure.**

Frequently inspect the tyres and sidewalls for any sign of distortion (bulges), cuts or wear. Flints and other sharp objects should be removed with a suitable blunt tool. If neglected, they may work through the tyre.

## Tyre pressure

**! Driving with incorrectly inflated tyres can affect vehicle stability, increase rolling resistance, and cause rapid tyre wear and possible permanent damage to the cords of the tyre casing.**

Remember tyre wear and inflation pressure regulations. It is the driver's responsibility to ensure that the tyres meet these requirements.

Check the tyre pressures weekly, including the spare tyre, and if necessary, adjust in accordance with pressure requirement of 'tyre pressure sign' on driver/front occupant side door frame, please refer to the actual vehicle. This Handbook introduces the correct tyre pressure in cold condition, see page 189 'General Technical Parameters - Wheel and tyre'.

The spare tyre should be maintained at the highest recommended pressure and adjusted before use. Pressure should be checked with an accurate Tyre Pressure Gauge when the tyre is cold instead of decreasing the value under warm condition as the pressure will be higher than normal

pressure due to temperature. Always refit the valve caps to prevent dirt entry into the valve mechanism.

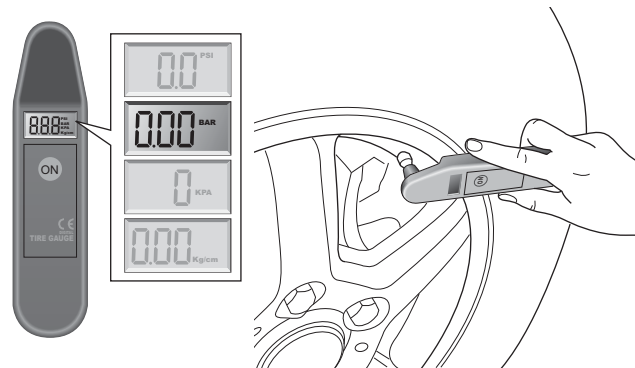
A natural pressure loss will occur with time; any unusual pressure loss should be investigated and rectified.

See page 130 'Starting and Driving - Tyres'.

*Note: The specified pressure is for cold tyres; warm tyre pressure will be higher.*

## tyre gauge

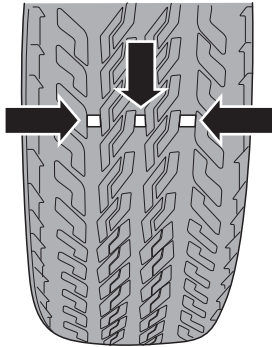
Switch on the tyre gauge, and press ON key to select pressure unit. Firmly press the gas nipple of tyre gauge on the inflating valve of the tyre to ensure no any air leak, and read the pressure value. Press the ON key of tyre gauge and hold for 3 seconds to switch it off, or it will be off automatically after 10 seconds.



## Wear indicator

There is wear indicator in tread for all original tyres. When the tyre has worn down until 1,6 mm of the tread is remaining the wear indicator will appear across the full width of the tread pattern.

A tyre should be replaced immediately where any part of the wear indicator becomes visible. However it is in your interest to note that tyre safety and performance tends to reduce before the legal limit is reached. For example, badly worn tyres will increase the risk of aquaplaning.



## Seat belt

### Inspection



**The belts also have a sensitive retractor which is designed to lock only during heavy acceleration, deceleration or, for example, on tight bends.**

**Do NOT attempt to test the locking device by intentionally 'launching' your upper torso in a forward direction.**

Check ALL seat belts as follows:

- Inspect all belt anchorage points for security.
- Insert the tongue into the buckle and check for a positive locking action. Check that the tongue is released cleanly when the red button is pressed.
- With the belt half unreeled, hold the tongue and give it a sharp pull. Check that the safety mechanism locks automatically and prevents further unreeling.

## Maintenance and service



**Do not attempt to repair retractor or buckle mechanisms, or to modify the seat belts in any way.**

**Seat belts subjected to strain as a result of an accident shall be replaced and the anchorage points checked by our company authorized Service Dealer.**

Regularly inspect the belt webbing for signs of abrasion or wear, paying particular attention to the anchorage points and adjusters.

Clean seat belts by sponging with lukewarm water and a mild soap; allow drying naturally - Do NOT heat or exposing to direct sunlight. Do not allow water to enter retractor. Never bleach or color seat belt as its strength may be reduced.

## Other maintenance

### Vehicle cleaning



**For first driving after washing the vehicle, gently apply the brake pedal several times to ensure all moisture is removed from the brake discs.**

**Carefully clean tyres. Never use high pressure jet as it may damage tyres. If any damage found, replace the tyre.**

**Flushing water on the forepart of the interior car (close to the dashboard area) is prohibited so as not to cause unnecessary damage to some related parts.**

Careful attention to the following will help to retain the value of your vehicle:

- Clean the vehicle with cold or lukewarm water. Hot water may cause damage to vehicle paintwork under extreme cold conditions.
- No vehicle washing under strong direct sunlight during hot weather.
- Use special vehicle cleaner to remove grease and tar spots on vehicle body and while still wet, wash the paintwork using a soft sponge and generous quantities of water containing car shampoo. Rinse thoroughly and dry off with a chamois leather.
- When using a hose to wash the vehicle, never direct the water to window, door or brake parts through wheel clearance.

- After cleaning, inspect the paintwork for damage and stone chips; apply touch-up paint if necessary. Use polishing wax to protect paintwork from time to time.
- When using high pressure cleaning equipments, water jet shall be kept moving. Do not direct it at the engine, radiator, door gaps, seals, electrical components or their connections.

*Note: Remove apparently harmless looking but often aggressive particles from the paintwork immediately - e.g. bird droppings, tree resins, insect remains, tar spots, road salt and industrial fall-out. Otherwise permanent staining or damage will be produced.*

### Caution

Never use vapor to clean underbody, wheel arch or transmission as it may damage protective wax.

## Anti-corrosion of underbody

The underbody of your vehicle has been treated with anti-corrosion. Check underbody anti-corrosion regularly.

Use a water jet to remove accumulations of caked mud or debris on underbody. This is especially important during winter when salt has been used on the roads.

## Seat and trim

Often use vacuum sweeper or soft brush to clean dirt and dust accumulated on fibers. Often use clean cloth to wipe the trim. Use special cleaner to remove general trim dust, staining or spot. Use special cleaner to clean leather parts.

## Door seal

To prevent rubber door seals freezing during cold weather, rubber maintenance product or silicone spray shall be used for protection.

## Window glass

Often use glass cleaner to clean window glass.

The headlamp lenses are clear plastic. Use good cleaner or neutral detergent to wash rather than abrasive or chemical solvent.

## *General Technical Parameters*

---

- 182 *Major vehicle dimension parameters*
- 184 *Vehicle weight parameters*
- 185 *Vehicle performance parameters*
- 186 *Major engine technical parameters*
- 187 *Steering and braking system parameters*
- 188 *Recommended fluid oil*
- 189 *Wheel and tyre*
- 190 *Wheel alignment parameters*

# General Technical Parameters

## Major vehicle dimension parameters

### *Minibus and Cargo van*

Model	SV6 short wheelbase	SV6 long wheelbase	SV6 longer wheelbase
Driving type	Front-engine Front-drive		
Length of external dimensions, mm	4950	5700	5995
Width of external dimensions, mm	1998		
Height of external dimensions, mm	2132 2345	2345 2552	2577
Wheelbase, mm	3100	3850	4175
Front suspension / Rear suspension, mm	865/985		845/975
Front track, mm	1734		
Rear track, mm	1728		
Minimum turning diameter, m	12.4	14.8	16.7
Fuel tank capacity, L	80		

### *Dropside cab*

Model	SV6C, SV6D	
Driving type	Front-engine Front-drive	
Length of external dimensions, mm	5988	5788
Width of external dimensions, mm	2100	
Height of external dimensions, mm	2207	
Wheelbase, mm	3850	3100



## General Technical Parameters

Front suspension / Rear suspension, mm	854/1284	854/1084
Front track, mm	1734	
Rear track, mm	1728	
Minimum turning diameter, m	14.8	12.4
Fuel tank capacity, L	80	

### ***Chassis cab***

Model	SV6C, SV6D	
Driving type	Front-engine Front-drive	
Length of external dimensions, mm	5620	4870
Width of external dimensions, mm	1996	
Height of external dimensions, mm	2136	
Wheelbase, mm	3850	3100
Front suspension / Rear suspension, mm	854/916	
Front track, mm	1734	
Rear track, mm	1728	
Minimum turning diameter, m	14.8	12.4
Fuel tank capacity, L	80	

# General Technical Parameters

---

## Vehicle weight parameters

### *Minibus and Cargo van*

Mode	SV6 short wheelbase	SV6 long wheelbase	SV6 longer wheelbase
Gross vehicle weight, kg	3200 ~ 3500	3500 ~ 3700	3500 ~ 3700
Curb weight, kg	2010 ~ 2323	2095 ~ 2476	2095 ~ 2476
Front / rear full axle load, kg	1450 ~ 1700/ 1750 ~ 1820	1700 ~ 1760/ 1775 ~ 1980	1700 ~ 1760/ 1775 ~ 1980
Specified passenger capacity(Seat capacity)	2 ~ 13	2 ~ 16	10 ~ 18

### *Dropside cab and Chassis cab*

Model	SV6C, SV6D
Gross vehicle weight, kg	3500, 3700
Curb weight, kg	1775, 1805
Front / rear full axle load, kg	1700/1800 1720/1980
Specified passenger capacity(Seat capacity)	2 ~ 3

# General Technical Parameters

## Vehicle performance parameters

### *Minibus and Cargo van*

Model of engine	SC25R136Q4	SC25R136Q5	SC25R136Q6
Intergrated operating condition of fuel consumption of light commercial vehicles, L/100km	8.3 ~ 9.3	9.4 ~ 9.8	9.4 ~ 9.8
Max. design speed, km/h	150		
Max gradeability, %	30		
Emission level obtained upon vehicle leaving factory	Euro IV	Euro V	Euro VI

### *Dropside cab and Chassis cab*

Model of engine	SC25R136Q4	SC25R136Q5	SC25R136Q6
Intergrated operating condition of fuel consumption of light commercial vehicles, L/100km	9.1	9.2 ~ 9.4	9.2 ~ 9.4
Max. design speed, km/h	150		
Max gradeability, %	30		
Emission level obtained upon vehicle leaving factory	Euro IV	Euro V	Euro VI

# General Technical Parameters

---

## Major engine technical parameters

Model of engine	SC25R136Q4	SC25R136Q5	SC25R136Q6
Category	Common-rail injection diesel engine, with turbocharger and intercooler		
Displacement, L	2.499		
Cylinder	4		
Bore * stroke, mm * mm	92*94		
Capacity and compression ratio	17.5 : 1		
Max. net power , Kw	100	97.5	97.5
Rated power speed, r / min	3800		
Rated torque, N/m	330		
Rated torque speed, r / min	1800 ~ 2600		
Idle speed, r / min	850 ± 20		
Fuel type	The diesel with sulfur content of less than 50ppm of the Euro IV engine	The diesel with sulfur content of less than 15ppm of the Euro V engine	The diesel with sulfur content of less than 15ppm of the Euro VI engine

# General Technical Parameters

---

## Steering and braking system parameters

Item	Parameters
Front suspension	McPherson independent suspension
Rear suspension	Independent suspension of parallel leaf spring type
Leaf spring type	Taper leaf spring
Leaf spring specification	Three kinds of rigidity: 65, 70, 77 (N/mm)
Wheel dynamic balance requirement	Residual dynamic unbalance on both sides of wheel assembly shall be less than 10g
Sound free travel of brake pedal	Within 10mm
Reasonable application range of brake friction pair	At least 2mm remaining before wearable material reaching its wear limit

# General Technical Parameters

## Recommended fluid oil

Item	Specification	Capacity
Euro IV Engine oil, L	CI-4(or A3/B4) 10W/40	7
Euro V and VI Engine oil, L	CJ-4(or A3/B4) 5W/40	7
Engine coolant, L	D-35(-35 °C )	8.5 (without rear heating) 10.5 (with rear heating) 11.1(extended axle)
Transmission(WIA5MT) oil, L	75w/85	2.3
Transmission(WIA6MT) oil, L	75w/85	1.6
Transmission(SAGW6MT/ 6AMT) oil, L	75w/85	2.5
Brake fluid, L	DOT 4	0.8
Power steering fluid, L	ATF-DEXRON III	0.96
Washer fluid, L	Universal lower freezing washer fluid	2.4
AC refrigerant (Minibus and Cargo van), g	R134a	600 ± 30 (double compressor) 780 ± 30 (without rear AC) 1400 ± 30 (Short Wheelbase with rear AC) 1600 ± 30 (Long/Extra-long Wheelbase with rear AC) 1800 ± 60 (with vice condenser)
AC refrigerant (Minibus and Cargo van), g	R1234yf	720 ± 30 (without rear AC) (EU countries)
AC refrigerant (Dropside cab and Chassis cab), g	R134a	780 ± 30 (4.8KW/7KW compressor) 1600 ± 30 (10KW compressor)
AC refrigerant (Dropside cab and Chassis cab), g	R1234yf	720 ± 30 (without rear AC) (EU countries)

# General Technical Parameters

## Wheel and tyre

Item	Parameters		
Wheel rim specification	6Jx16		
Tyre specification	215/70R16C	215/75R16C	
Gross vehicle weight, kg	3200~3700	<3500	≥ 3500
Tyre pressure of front wheel (cold condition)	375kPa/3.75bar/55psi	380kPa/3.8bar/55psi	400kPa/4.0bar/58psi
Tyre pressure of rear wheel (cold condition)	375kPa/3.75bar/55psi	420kPa/4.2bar/61psi	450kPa/4.5bar/65psi
Tyre pressure of spare wheel (cold condition)	375kPa/3.75bar/55psi	420kPa/4.2bar/61psi	450kPa/4.5bar/65psi

# General Technical Parameters

## Wheel alignment parameters

Item		Parameters
Front wheel	Wheel camber	$0.5 \pm 1^\circ$ ( $-0.5^\circ \sim 1.5^\circ$ ) Difference between left and right ( $-0.5^\circ \sim 0.3^\circ$ )
	Kingpin caster	$0.6 \pm 0.9^\circ$ ( $-0.3^\circ \sim 1.5^\circ$ ) Difference between left and right ( $-0.3^\circ \sim 0.3^\circ$ )
	Toe-in	Individual wheel toe-in $-0.11^\circ \sim 0.02^\circ$ Total toe-in $-0.22^\circ \sim 0.04^\circ$ Absolute difference value between left and right no more than $0.05^\circ$
	Kingpin inclination angle	$10 \pm 2.5^\circ$ ( $7.5^\circ \sim 12.5^\circ$ )
Rear wheel	Rear wheel trust angle	$0 \pm 0.25^\circ$