

SAMAND

SAMAND LX
SAMAND LX EF7 BI- FUEL
SAMAND LX EF7 GASOLINE

Owner's Manual

This manual has been prepared to inform you of how to optimize the use of the vehicle and contains important notes on safety, operation and maintenance. Please keep this manual in your car at all times and be diligent in maintaining it.



In The Name of God



OWNER'S MANUAL
SAMAND

DEAR BUYER

We're thankful for choosing Iran Khodro product and we congratulate you for this good selection. We hope this new vehicle contributes in happy moments of your life.

This manual helps you enjoy driving. Therefore to have an easy access, it would be advisable to be kept in your glove compartment. The manual is divided into some sections for your convenience, and deals with various aspects of driving or maintenance of the car.

Before driving: Includes seat adjustment, Safety belts, heating and ventilation control system and also every other thing you needed to know in order to settle comfortably.

Driving Controls: explain functions of switches, equipment and precautions.

Maintenance: Includes information about the checks you should carry out regularly.

Note:

Please refer to maintenance and guaranty services manual to know about the vehicle maintenance, regulation & condition of guaranty services and periodic services.

Technical emergencies: Help solve some of unavoidable small emergencies occurring occasionally like replacing lamps fuses or changing wheels.

Technical data: It includes some information about engine, dimensions, capacities and weights.

WARNING, CAUTION and NOTE have special meanings. These special meanings apply except when laws or regulations require that the signal words be used with a different meaning. Pay special attention to the messages highlighted by these signal words:

- In the meanwhile, consumptive material must be provided through authenticated representatives of IKCO.



WARNING: Indicates a potential hazard that could result in death or injury.



CAUTION: Indicates a potential hazard that could result in vehicle damage.

NOTE: Indicates a serious damage to your vehicle in the case of not paying attention to the warning and caution signals.

Important Point: The specification of each vehicle will vary according to its type. Therefore some information of this manual may not be true about your vehicle. For any more information, you can consult with IRAN KHODRO dealers.

Reminder : Information about other varieties of this product have been mentioned in this manual and denoted by asterisk (*).

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* If equipped

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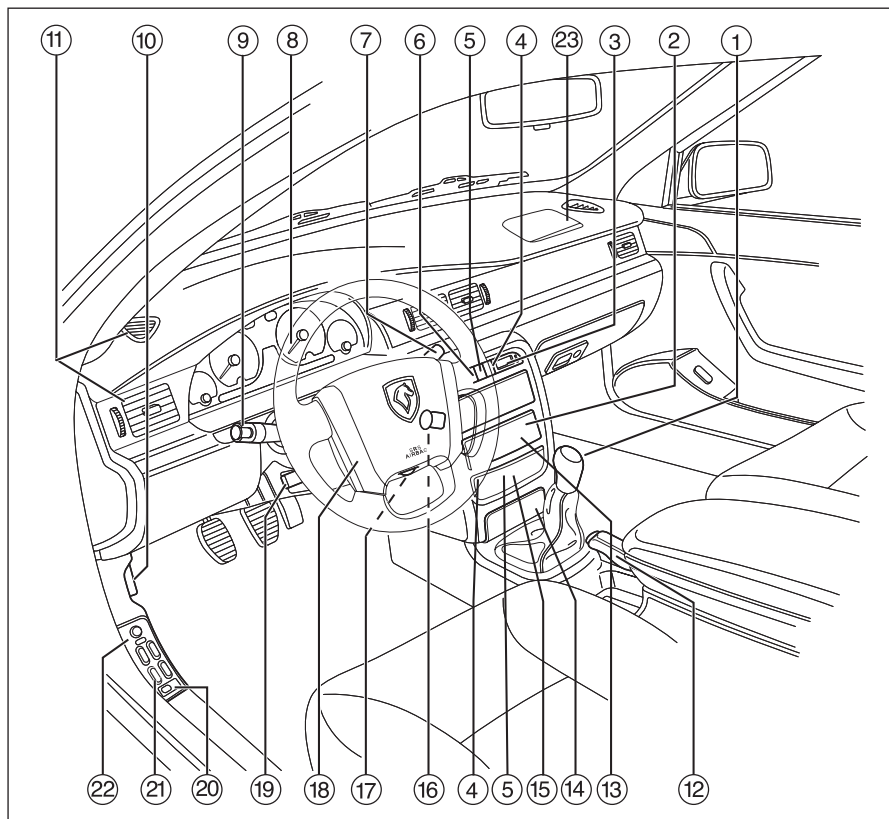
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* If equipped

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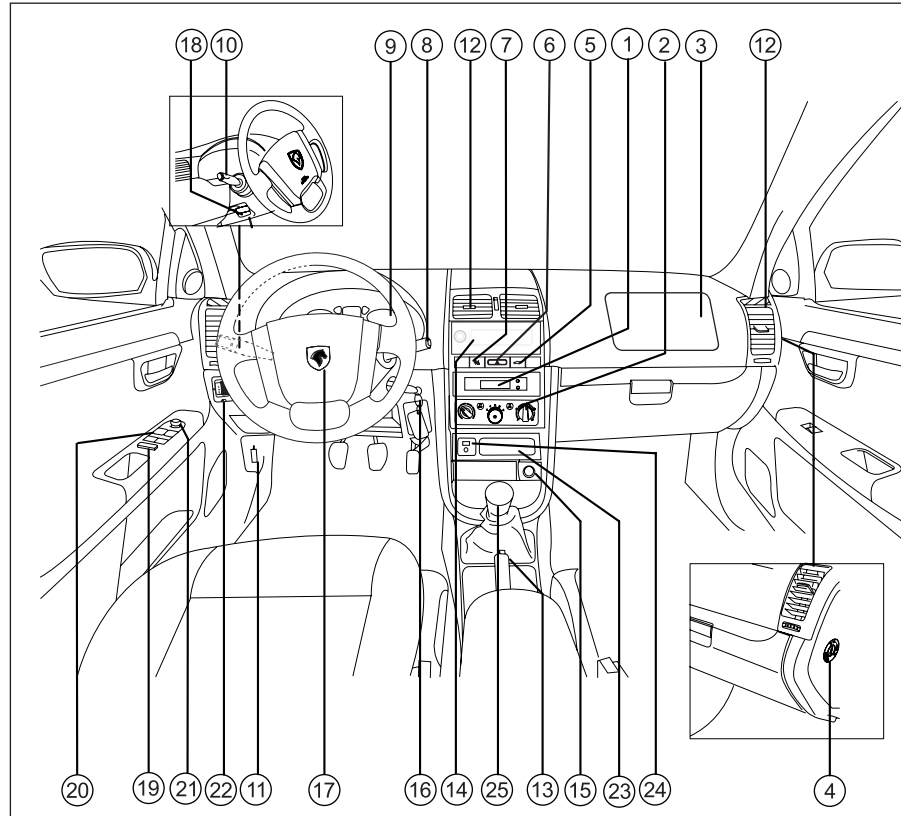
1. Gear lever
2. Heating / Ventilation keys
3. Clock*
4. Fuel type conversion switch*
5. Trunk lid unlock switch*
6. Rear glass heater / Flasher Switch
7. Windshield wiper / Washer Stalk
8. Digital instrument panel
9. Indicators / Horn
10. Hood release lever
11. Adjustable air vent (Right, Middle, Left)
12. Handbrake
13. Audio system (REFER TO AUDIO SYSTEM MANUAL)
14. Front lighter & cigarette Ashtray
15. Alarm Control Unit (ACU)*
16. Ignition switch
17. Instrument panel dimmer switch*
18. Airbag
19. Steering wheel adjusting lever
20. Rear window locking switch*
21. Electric window controls*
22. Electric mirror controls*
23. Passenger air bag



* If equipped

Controls*

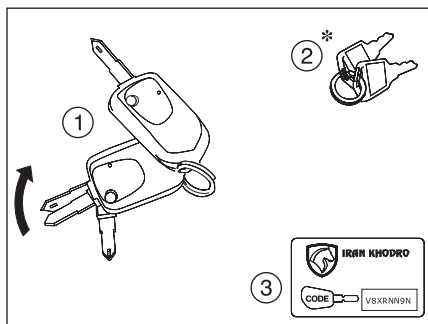
- 1- Clock
- 2- Ventilation System
- 3- Passenger Air bag
- 4- Passenger Air bag deactivation switch
- 5- Trunk Lid Unlock Switch
- 6- Flasher Switch
- 7- Central Lock Key
- 8- Windshield Wiper/Washer Stalk
- 9- Digital instrument panel
- 10- Indicators/Horn
- 11- Hood Release Lever
- 12- Air vent
- 13- Hand brake
- 14- Audio System (Refer to the audio system Manual)
- 15- Ashtray and Lighter
- 16- Ignition switch
- 17- Driver air bag
- 18- Steering Wheel Adjusting Lever
- 19- Rear Window Locking Switch
- 20- Glass lift button
- 21- Adjusting the side mirrors
- 22- Adjusting of head light height
- 23- Mobile location
- 24- USB,AUX-IN inputs
- 25- Gear lever



* If equipped

SAMAND AT A GLANCE

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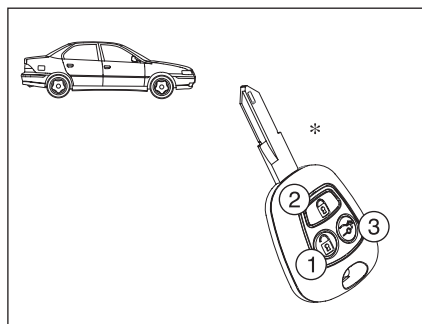
Key set

Your car is supplied with a key set, which consists of:

- 1- Two radio remote control switches
- 2- Two disconnecting alarm switches*
- 3- Key identification tag.

There is a carved number in the identification tag which is needed in the case of replacing the key. Therefore it should be kept in a safe place and never leave it in the car.

*If installed in your car



Note

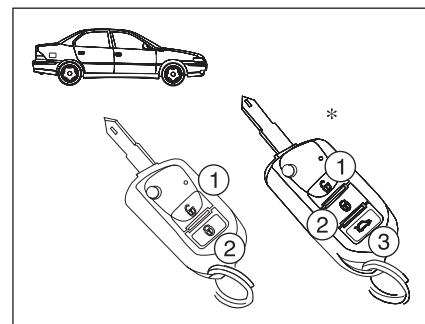
There is possibility of breakage for internal parts of the remote controller in case of severe impact and subsequently not functioning of the immobilizer.



Warning

Avoid keeping the battery or remote controller in infants' access, because swallowing of the battery can cause death.

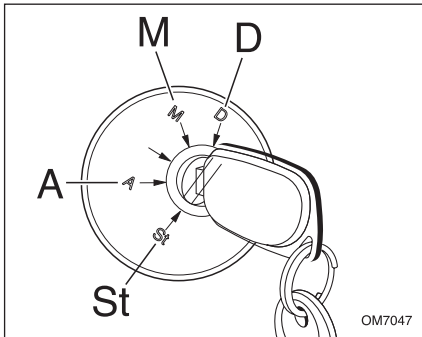
In case of swallowing the battery, refer to health care centers immediately.



Lock and Unlocking by Remote Controller*

keep the remote control towards the vehicle:

- Key no.1 is for unlocking.
 - Key no.2 is for locking.
 - Key no.3 is for unlocking the trunk lid*.
- (The trunk lid will get open by two successive pressing with a short pause on the key).



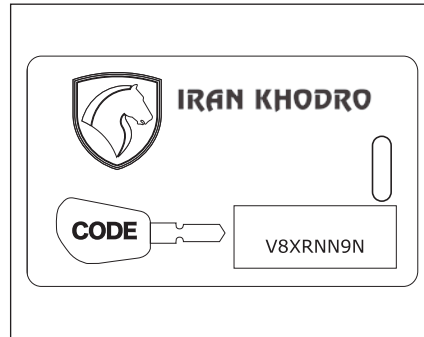
Ignition switch

Position St) The steering wheel is locked.

Position A) The steering wheel is unlocked. Just electrical accessories and equipment operate.

Position M) All equipment, warning lights and electrical circuits operate.

Position D) The engine is switched, and releases the switch immediately after the engine runs. The switch automatically returns to the second position.



Anti-Theft security system (Immobilizer)

The vehicle with immobilizer system can only start up with two keys which is delivered to customer with the vehicle. Two copy of key is not enough for start up. It is possible to have more keys if the customer requests and only in IRAN KHODRO dealers with the DIAG tool.

Steering wheel lock

Open the steering wheel lock, before starting the engine if it's necessary; Turn the steering wheel gently while you're rotating the key. It's recommended to press the clutch at the time of starting so that ignition gets easier.



Caution

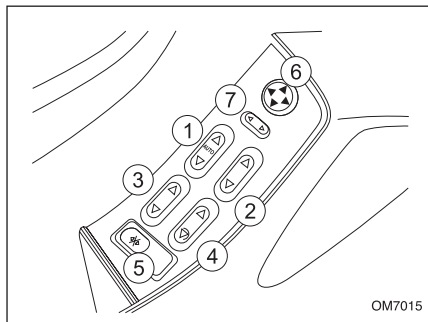
- Never drive when the engine of your vehicle is cold.
- Never start engine in closed area
- Never do any alterations in steering lock.

Note

There is possibility of breakage for internal parts of the remote controller in case of sever impact and subsequently not functioning of the immobilizer.

SAMAND AT A GLANCE

1



OM7015

Electrical window

1) Drivers's window control:

- Manual mode:

This mode is active when the switch is open. The glass stays open as soon as the key is released. After closing the switch for 45 seconds the glass is manually operated.

- Automatic mode:

Automatic lifting of glasses when the engine is switched on and lowering the glasses is possible in all switching statuses. Press or pull the key tightly and continuously, the glass is completely open or closed.

2) Passenger's electric window switch

3) Left back seat electric window switch *

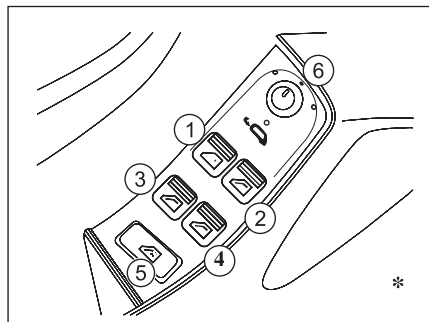
4) Right back seat electric window switch *

5) Back seats electric window lock switch*:

When the driver locks the back seat windows by this key, the relevant windows will not function.

6) Adjustment of electric mirror

-with the ignition switch in "ON" position, select



*

the right or left mirror by pressing switch 7.

- in some models, turn the 6 switch to right or left, then adjust the mirror in four direction (up, down, right or left) by pressing switch 6.*

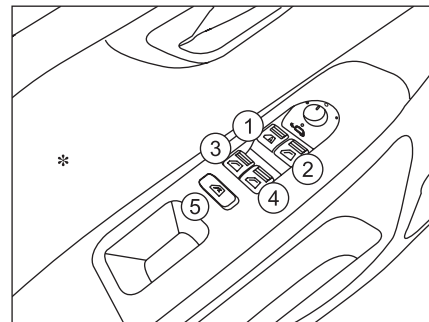
Electric folding mirror *

In this type of mirror, there is no need to apply manual force. Indeed, the folding mirrors are unfolded or folded by using remote control with opening or closing the car doors.

To fold the mirrors after locking the car by remote control, lock button must be pressed once again within 10 seconds after the first press.

When the car is off, folding mirrors can be opened/closed by remote control.

Also, the folding mirrors can be opened/closed by the keys on door trim when the switch is in on/off position.

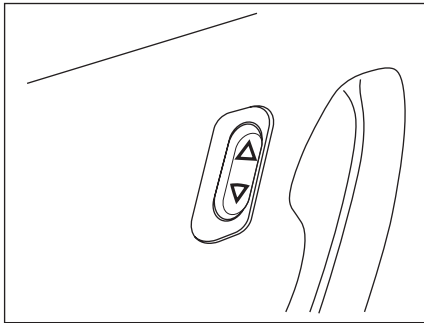


Warning



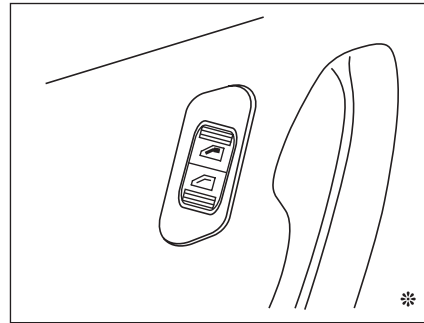
Despite the anti pinch safety system, the electrical windows can only prevent the inflicting of heavy injuries caused by the application of undue force. Therefore it is advisable to respect the necessary precautions in this regard.

* If equipped



Windows switches

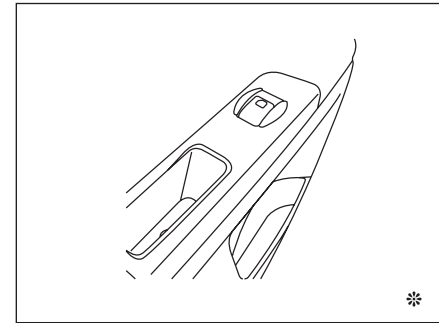
Each passenger may open or close the window close to himself.



Intelligent power window *

New intelligent power window which has been designated for your vehicle has an electronic board that adds following features to the system:

- 1-Anti Trap security system
- 2-Automatic closing of glasses after locking the car with a remote control
- 3-Automatic movement of the 4 windows
- 4-Slow stoppage of the windows at the end.



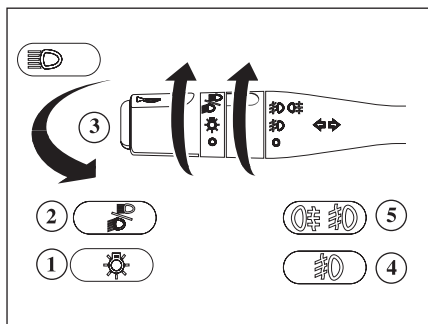
Warning

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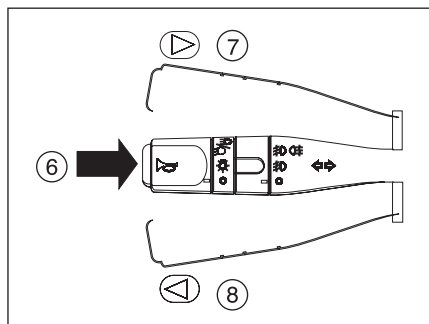
SAMAND AT A GLANCE

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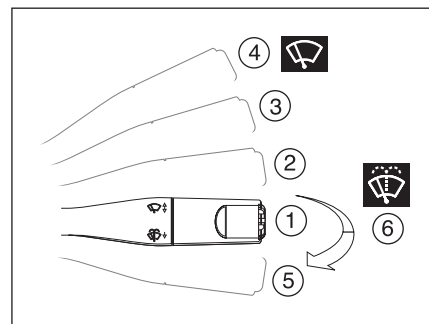


Lamp switches indicators & horn

- 1- Small lights (front/rear) - Instrument Panel backlight and Center Console.
- 2- Head lamp main beam / up
- 3- Head lamp dip light. (pulling the lever towards the driver)
- 4- Front fog lamps.*
- 5- Front fog lamps* and Rear.



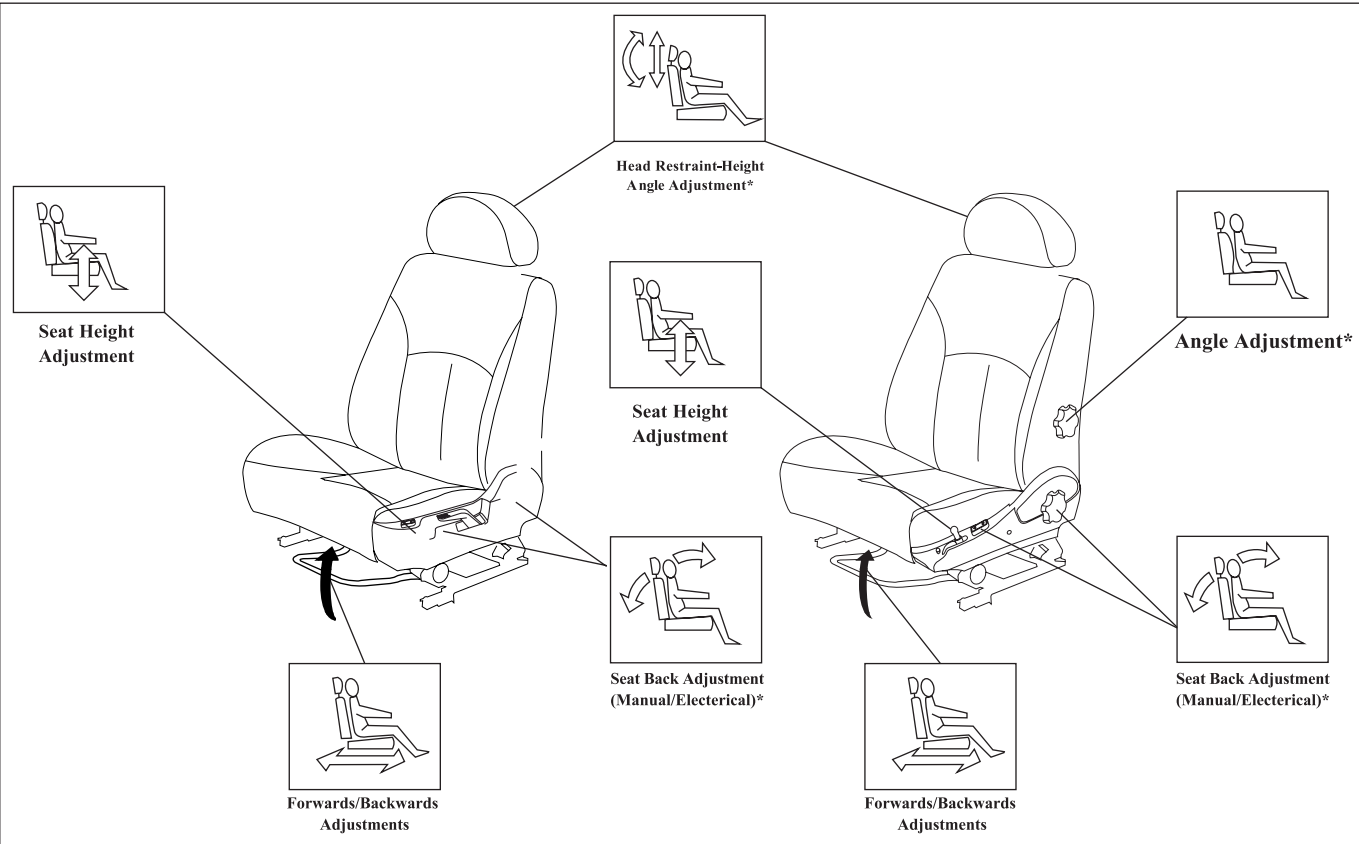
- 6- Horn
- 7- Right Indicator
- 8- Left Indicator



Windshield wiper & screen washer

1. off
2. Intermittent wipe (is adjusted according to the vehicle speed).
3. Slow speed wipe
4. Fast speed wipe
5. Single wipe
6. Screen wash (Pulling the control lever towards the drive)

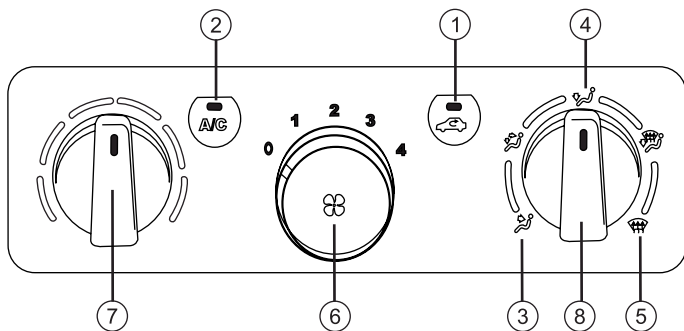
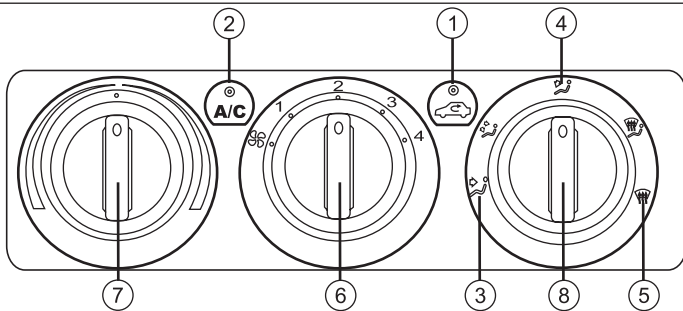
* If equipped



* If equipped

SAMAND AT A GLANCE

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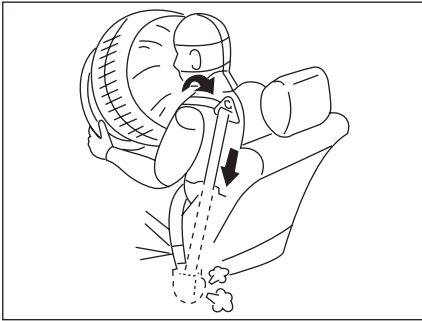
Heating & ventilation*

Heating and Ventilation system conducts the fresh or hot air in the vehicle compartment through the outlets located in the front of the windshield.

Outlets are used for the windshield, face and feet of the front passengers (There is also an outlet on the central console for the rear passengers). Air distribution adjustment is as follows:

- 1) Air intake control
- 2) Cooler
- 3) Center and side vents
- 4) Foot wells
- 5) Windscreen and side windows (de-icing and de-misting)
- 6) Air flow adjustment
- 7) Temperature adjustment
- 8) Air vents adjustment

* If equipped



Interjecting (Forward moving) safety belt

The safety belt is activated together with the airbag only at time of receiving strong blows caused by front collisions. They are not designed for blows from the rear, sides (sideswipes), vehicle overturning or minor collisions at front and in these cases they do not become activated. The Interjecting part of the belt may be activated only once. If this system is activated once (i.e. when the air bag becomes active), the Interjecting part of the bet should be serviced by an authorized Iran Khodro representative as soon as possible.

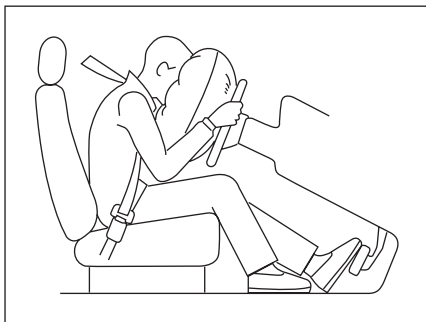
1- Pre-loading System is activated when the key is turned.

2- Belt's pressure limitors: this mechanism reduces the pressure on passenger's chest at time of collision.



Warning

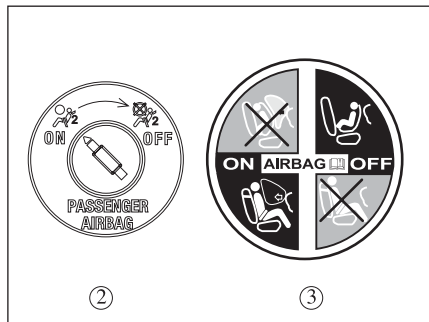
- Only belts fastened properly and as tight as possible against passenger's body will have the required efficiency. Depending on the blow's nature and severity, the interjecting system will act concurrently with the air bags. In case of non-performance in one of the cases above or defects in the system, the air bag's warning light will come on.
- To achieve greater security, always fasten the front seats' safety belts in order to have maximum effectiveness at time of air bag system activation.



Airbag restraint (Airbag)

If your vehicle is equipped with supplemental restraint system (AIR BAG), in addition to the seat belts, new version of this system has an Air Bag module for driver.

When the ignition switch is turned to the "ON" position, air bag indicator on the instrument cluster comes on and blinks 6 times. If this light remains illuminated, indicating the fault in the air bag system or pretensioner the vehicle owner must promptly refer to the dealers of the car and fix it.



Front passenger airbag

Deactivating switch of Air bag is located at the lateral side of Glove box.

- 1- Turn the deactivating switch clock wise to deactivate the Air bag.
- 2- Never allow the children to sit on front passenger seat ,if the air bag is activated.
- 3- If the Air bag functions , there is a sever injury or death for children sitting in front passenger seat.



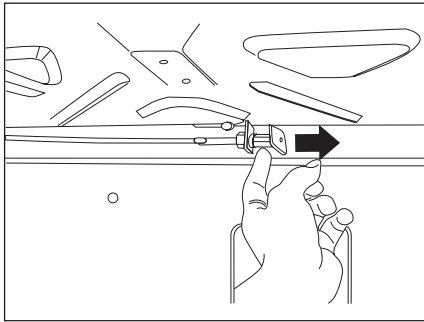
Warning

To get more safety, always, keep the front seat belt fastened, so that the air bag gets the most efficiency.



Warning

If the airbag is used once, all its pieces and parts should be replaced as soon as possible by an authorized Iran Khodro representative.

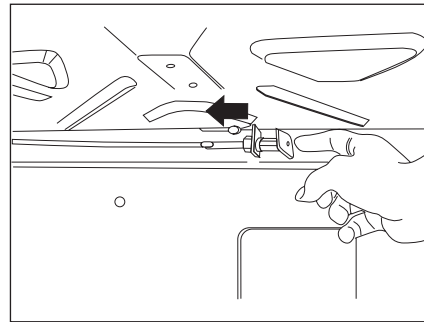


Releasing trunk lid lever and cable*

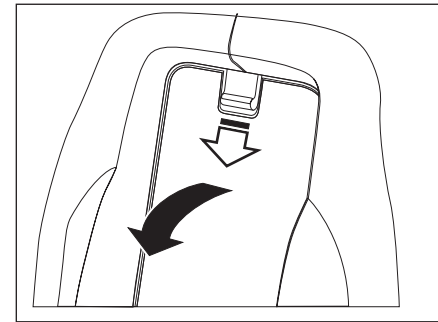
Pull down the armrest located in the middle of the rear seat, and release trunk lid latch. Then pull down the latch till it will be placed on the armrest. Take your hand beneath left side of rear shelf.

There is a lever and a cable installed - it can be accessed (from the interior of the trunk) - which will open the trunk in emergency occasions such as lack of internal electricity power, malfunction of trunk lock releasing button on the remote keyless entry system and dashboard. In the abovementioned situations slid the lever to the right.

Therefore the trunk will be unlocked mechanically.



To lock well the trunk lid, please put the mechanisms lever in the near place.



Access flap to boot*

The flap is located at back of the rear armrest and is used for carrying long objects such as ski sticks or accessing to the boot through passenger compartment.

Lower the armrest. Pull the handle down then towards you to open the flap.

* If equipped

SAMAND AT A GLANCE

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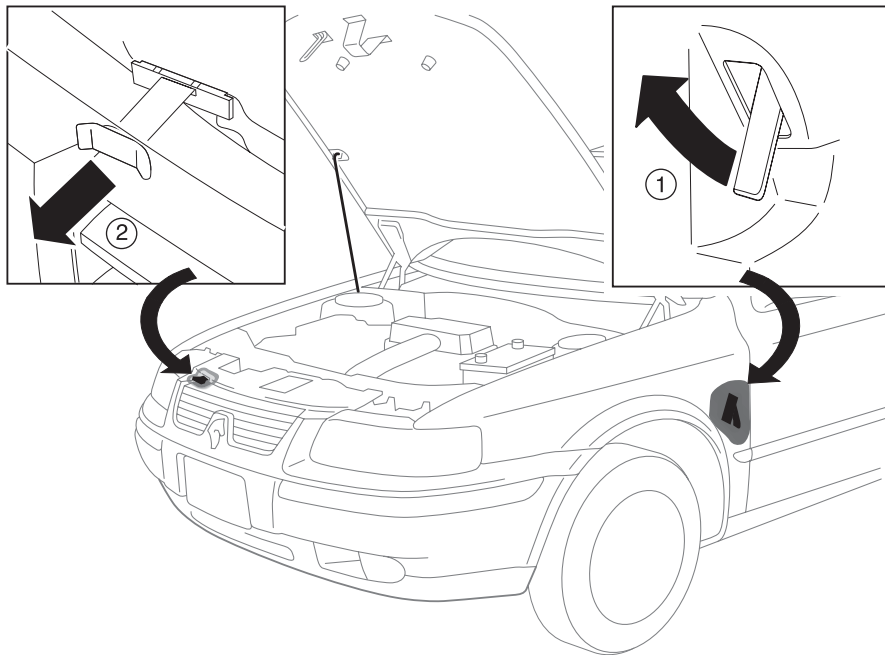
Opening the hood

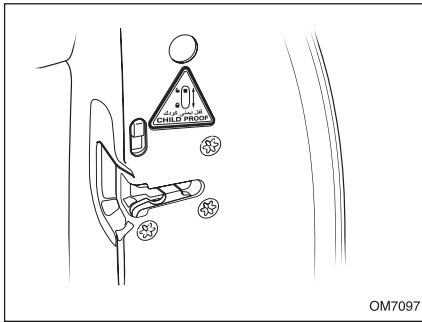
1- Pull the hood release from the passenger compartment (driver side).The hood gently jumps up

2- Pull the hood safety catch, and raise it up.

Closing the hood

Replace the supporting rod in the retain clamp. Then lower the hood, and release it from the height of approximately 30 cm. Check that the locks is fully engaged by trying to lift the front edge of the hood. It should be free of any movement.

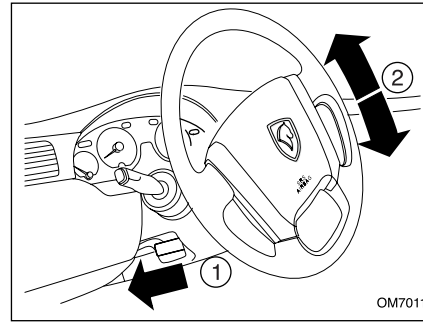




Child safety locks

Positioned under the each rear door lock. The child locks prevent the opening of rear doors from the inside and act independent of the central (door) locking system.

To latch the children just push the lever down to operate.



Adjusting steering wheel

Adjust the angle of the steering wheel to your body position While driving. Therefore, you should at first adjust your seat, and ensure that all the indicator lights and dials on the fascia panel are clearly visible. Then adjust the steering wheel on best position.

1. Push down the control lever to unlock the steering wheel.
2. Adjust the height of the wheel, and pull up the control level completely to lock in the desired position.

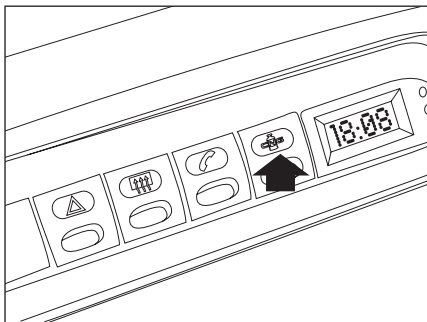


Warning

Never adjust your steering wheel while driving. This is extremely dangerous.

SAMAND AT A GLANCE

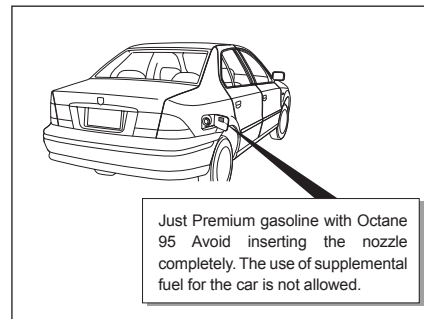
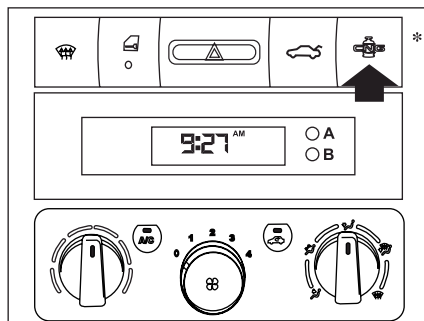
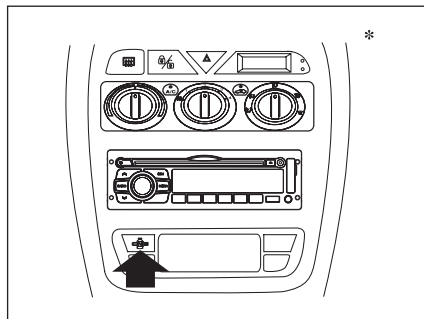
1



Ignition and driving on CNG fuel mode*

The engine is always ignited on gasoline. The fuel conversion is carried out by the conversion key on the dashboard. The CNG fuel selection is possible in the following situation:

- Before starting *
- While driving
- Igniting the car on the gas mode directly



Fuel type

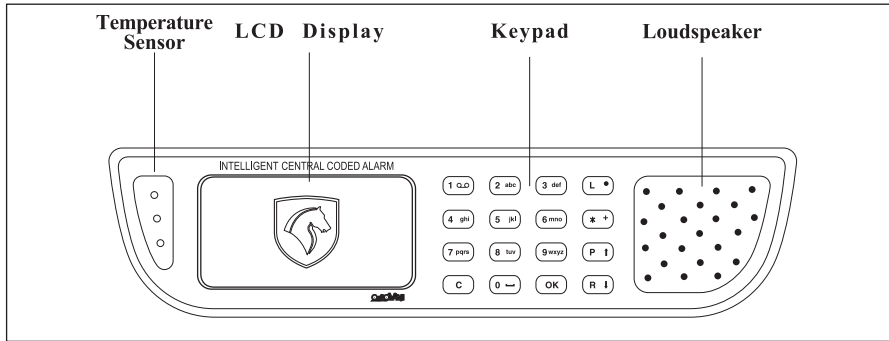
The fuel used on your car unleaded premium gasoline with octane number (RON) of 95. In the event a fuel other than that specified above is used, the internal parts may get damaged because of the auto-ignition and knocking.



Warning

The failure to use non-leaded premium gasoline will damage the catalytic converter. Avoid strictly of combining any liquid with the standard fuel.

* If equipped



FOUR- DIGIT CODE

When the alarm system is on and the unlock key (off) is pressed:

a) If the four- digit code on the menu 3 is set on the intelligent system(3), the following message will be appear.



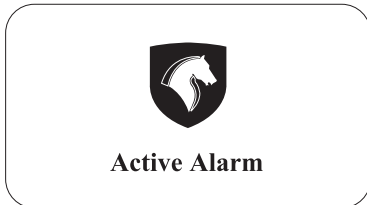
(3)

b) It is to be noted that the acceptable number of code entry is three times at most and if for the third time a wrong code is entered, then the alarm system will become activated (4).

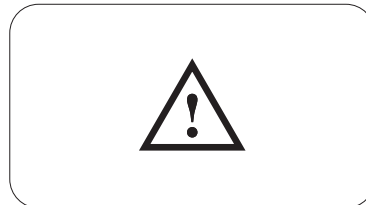
ALARM *

In case the remote control switch is used for locking the car, the doors, trunk lid, fuel cap as well as alarm will become activated and the message “ alarm is active” displays (1). In the event a shock exerted on the car,

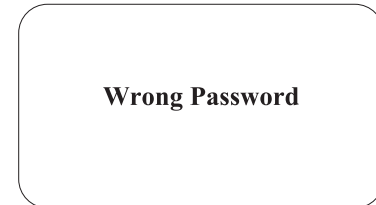
the shock sensor will become activated, depending on its sensitivity threshold and the alarm and hazard warning flashers will turn on for 30 seconds and remains active, the roof lamp will be lit for 30 seconds and the alarm signal will be displayed (2).



(1)



(2)



(4)

* If equipped

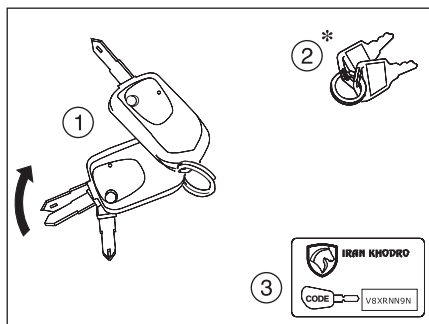
2 BEFORE DRIVING

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* If equipped

LOCKING AND UNLOCKING OF DOORS

2



Key set

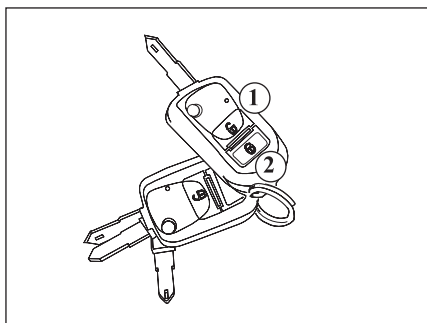
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- 1- Two radio remote controls switches.
- 3- Two disconnecting alarm switches*
- 4-Key identification tag

There is a carved number in the identification tag which is needed in the case of replacing the key. Therefore it should be kept in a safe place and never leave it in the car.

Notice

Continuous pressing of the switches within a short period causes their function to be stopped for 20 second.



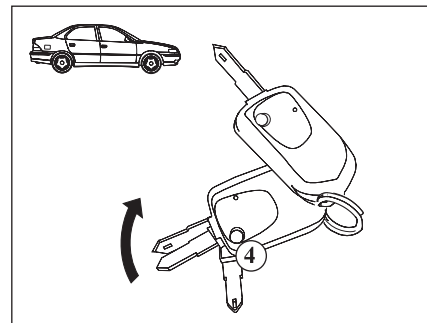
Remote keyless entry system*

Hold the remote control system in the direction of the vehicle and then press the buttons.

(Unlock) Press button "1" to unlock the doors (Theft-deterrent system is turned off)
(Lock) Press button "2" twice to lock the trunk (Theft-deterrent system is turned on)

Note

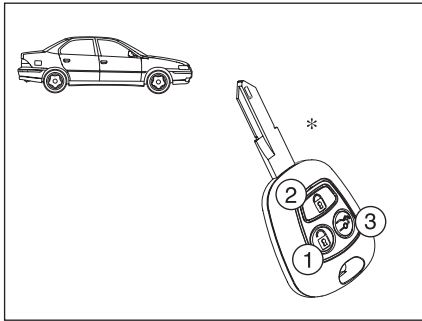
There is possibility of breakage for internal parts of the remote controller in case of sever impact and subsequently not functioning of the immobilizer.



Jack knife keys*

Pressing the switch 4 (folding switch lock or Jack Knife) cause the switch blade to be opened in clockwise direction.

Place the blade in its location by holding the switch lock and turning the switch blade in counterclockwise.

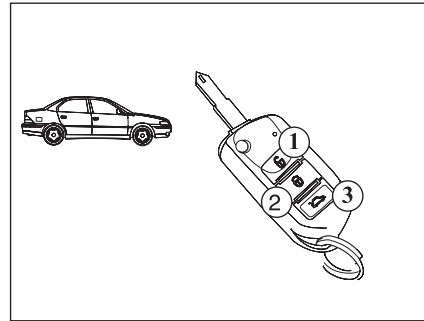


Remote keyless entry system*

Hold the remote control system in the direction of the vehicle and then press the buttons.

- 1- (Unlock) Press button "1" to unlock the doors (Theft-Deterrent system is turned off)
- 2- (Lock) Press button "2" twice to lock the trunk (Theft-Deterrent system is turned on)
- 3- Press button 3 twice to unlock the boot door. (two frequently pressing)*

When button 1 is pressed once, just the door near driver is opened and with pressing again rest of the doors is opened.*



Locking and unlocking the boot by remote controller*

Hold the remote controller toward the vehicle. Press the switch no. 3 twice, then the trunk lid will be opened.

Automatic locking of doors*

Notice

Continuous pressing of the switches within a short period causes their function to be stopped for 20 second.

Note

There is possibility of breakage for internal parts of the remote controller in case of sever impact and subsequently not functioning of the immobilizer.

If the doors are unlocked by remote controller but none of the doors are opened within a certain time¹, doors will be locked again. This function is for avoiding unintended unlocking of the doors by unwanted pressing of the unlocking switches on the remote controller. Doors are locked automatically during driving, when the speed of the vehicle goes more than 10 km per hour.²

It's possible to activate or deactivate this capability by pressing the central lock key for 5 seconds and then releasing it.

At the time of activation, central key light flashes 3 times and audio warning is heard.

Automatic unlocking of doors *

If the doors are locked, when ignition switch is in the "OFF" position and start switch returns to its initial position, the doors will be unlocked.²

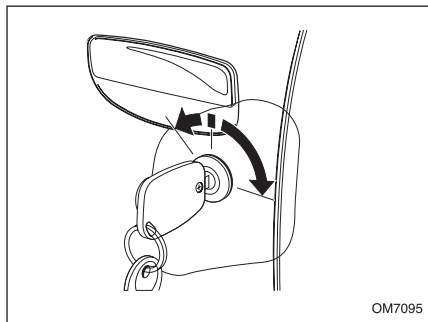
1-this time is adjustable by diagnostic device of the Iran Khodro authorized dealers.

2-This feature may be deactivated by tester equipment available in IKCO authorized dealer also.

* If equipped

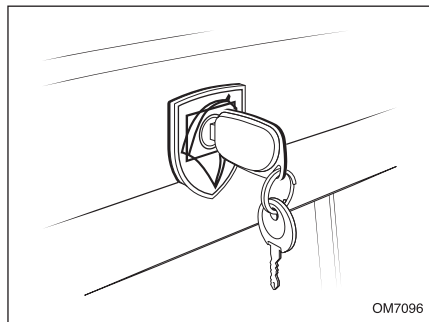
LOCKING AND UNLOCKING OF DOORS

2



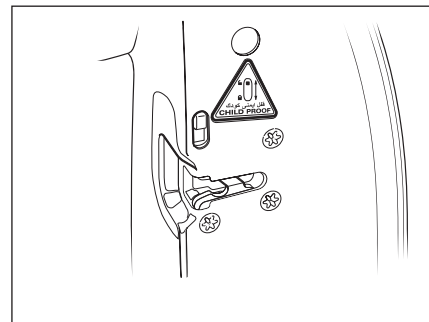
Locking/unlocking with the Key

Insert the key into the slot near the driver and turn left to unlock and right to lock. All doors, trunk lid and fuel filler cap will be locked.



Lock/unlocking of the trunk lid*

When the central (door) locking system is locked using the key, access to luggage area would be possible by using the key for the trunk lid lock. Insert the key into the trunk lid slot and turn left to unlock, and then press lock button to open it. To lock again, turn the key to right and remove it.



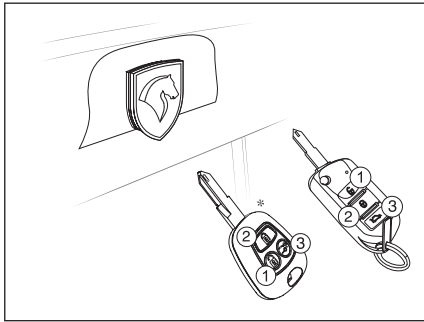
Child safety locks

Positioned under the each rear door lock. The child locks prevent the opening of rear doors from the inside and act independent of the central (door) locking system. To latch the children just push the lever down to operate.

Tip

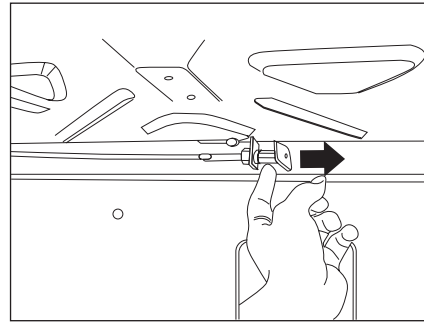
If your vehicle is locked using the remote control switch and you start to open the vehicle doors or its rear trunk by manual key, the burglar alarm system will become activated and the alarm will sound.

* If equipped



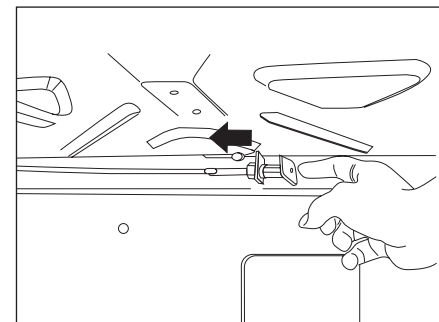
Trunk lid lock release*

Hold the remote control towards the radio transmitter and press the button twice with the trunk lid symbol (button "3") on the remote keyless entry transmitter in less than a second to open the trunk. When the central door locking system is activated with the remote transmitter or automatic warning locking system, Access to luggage compartment is possible; But we should close the boot within 30 seconds, otherwise the antitheft system and alarming will be activated. Therefore the car should be unlocked by holding the remote control button at first (Pressing button "1"). To lock: Only by locking trunk, the access to the trunk would be impossible completely.



Releasing trunk lid lever and cable*

Pull down the armrest located in the middle of the rear seat, and release trunk lid latch. and pull down the latch till it will be placed on the armrest. Take your hand beneath left side of rear shelf. There is a lever and a cable installed –it can be accessed from the interior of the trunk - which will open the trunk in emergency occasions such as lack of internal electricity power, malfunction of trunk lock releasing button on the remote keyless entry system and dashboard. In the above mentioned situations slid the lever to the right. Therefore the trunk will be unlocked mechanically.

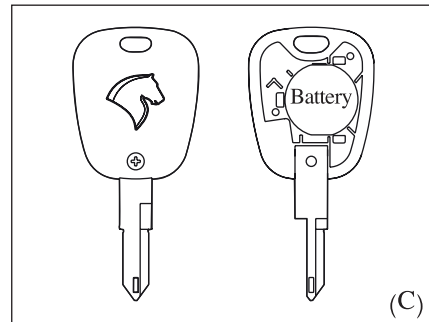
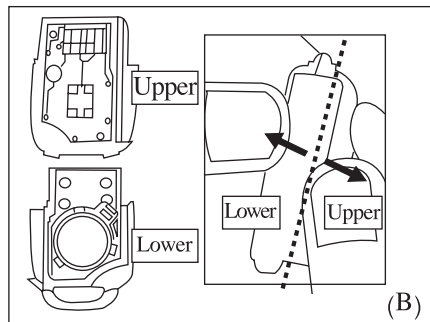
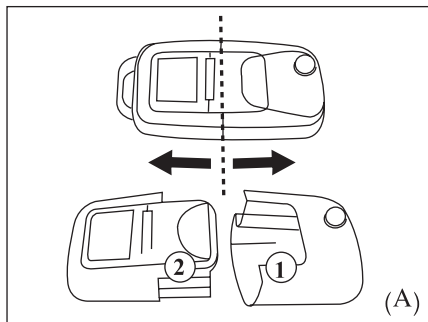


To lock well the trunk lid, please put the mechanisms lever in the place.

* If equipped

BATTERY REPLACEMENT

2



Battery replacement of the remote control switch (Remote keyless entry system switch)

- 1- Separate the part 1 and 2 with the help of hand pressing from the described line.
- 2- Then separate the upper and Lower part of the section 2 by hand pressing (fig B).
- 3- Remove the discharged battery and replace the new one. Ensure the battery has been inserted properly (fig C). Use the battery of CR 2032.
- 4- Put the upper and lower part on each other and insert it by hand pressing.
- 5- Put part 1 and 2 on each other and insert it by hand pressing.

* If equipped



Warning

Never discard used batteries in Nature. Give them to organizations responsible for collecting and recycling this kind of batteries.



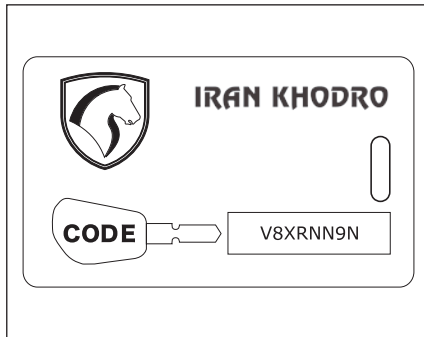
Warning

Avoid keeping the battery or remote controller in infants' access, because swallowing of the battery can cause death. In case of swallowing the battery, refer to health care centers immediately.

Battery Replacement of the Remote Control Switch*

If the indicator light on switch is not blinked or the key is not functioned correctly, it is necessary the battery be replaced. For replacement of the battery, first open the buckle and separate the switch back frame with proper pressure to gap between up/down frame. Confirmed battery is CR2032.

Remember; even, when the remote control batteries have been discharged, central key system operates by the key. If it's possible, don't utilize used batteries.



Anti-Theft security system (Immobilizer)

The vehicle with immobilizer system, can only start up with two keys which is delivered to customer with the vehicle.

Notice:

Copy ing key is not enough for start up. It is possible to have more keys if the customer requests and only in IRAN KHODRO dealers with the DIAG tool. To maintain better and usage of your vehicle, it is necessary to pay attention to the following tips:

1. Keys have electronic chip inside which contains information of key codes, so avoid putting them near powerful electro magnetic and electrical scopes.

2. When delivery the vehicle, there is a card which is shown in left picture with the keys. Existence of this card is necessary in cases like multiplying the key (from 2 up 5 at max) or replacement of lost key, replacement of electronic unit of Anti-theft security system (immobilizer) or replacement of ECU with ownership document of vehicle. Above functions are impossible if the card is lost and leads to replace whole security system. All costs due to careless keeping must be paid by owner.

Note

There is possibility of breakage for internal parts of the remote controller in case of sever impact and subsequently not functioning of the immobilizer.

Caution

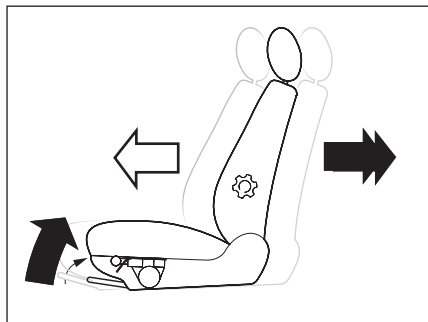
- The anti-burglary system your vehicle is equipped with, is one of the soundest security systems, increasing the vehicle's security ratio, without need of doing any special functions. Naturally this should not make the vehicle owner careless regarding proper and adequate protection of his car.
- Any repairs or changes in the anti-burglary system (electronic box, wiring, etc.) are strictly forbidden.

Attention

This system will check the engine's electronic system, a little after the engine is turned off and thus prevent anyone without the main key from turning on the engine.

SEATS

2



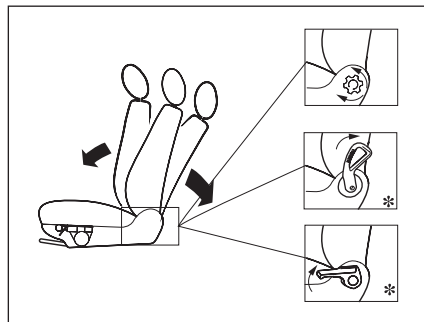
Moving seat forward / backward

- 1- Pull up the lever
 - 2- Slide the seat to the favored position (by pressing your weight)
 - 3- Release the lever till it will be locked.
- Before driving be sure of adjusting the seat as needed.



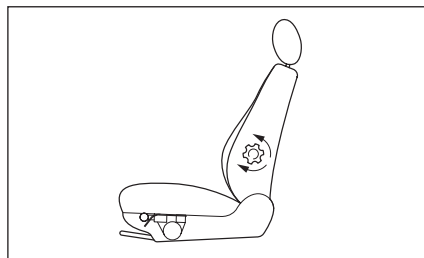
Warning

Do not adjust the seat while driving the car.



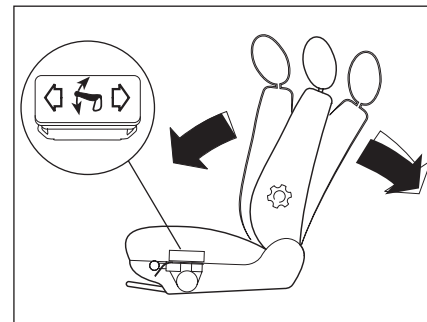
Adjusting seatback

To adjust the seatback angle of the seat, turn the adjusting knob. (Adjusting the seatbelt is done by a lever in certain models).*



Adjusting lumbar support*

Rotate the hand wheel to increase or decrease support to the lumbar region of the back.



Backrest power adjustment*

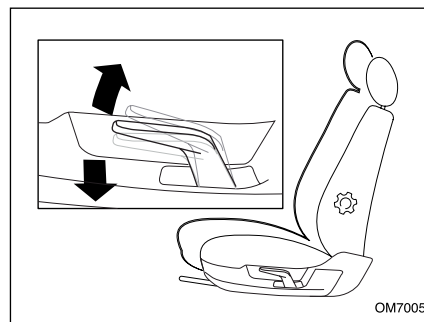
After starting the car with the ignition switch, press the adjustment electrical key beside the seat to adjust the backrest.



Warning

Consider that front passengers should not have their seatbacks reclined if their vehicles are moving. The complete seat belts performance is gained when backrest angle is about 25 from vertical axis.

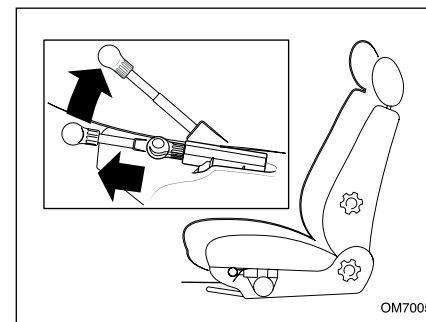
* If equipped



Adjusting seat height (Driver's seat only)*

To adjust, sit on the seat and pull up the lever, decrease your pressure on the seat so that you can reach to a desirable height; then release the lever.

To decrease the seat height; press the lever downwards and decrease the height by your weight and pressure on the seat so that you can reach to a desirable height.



Adjusting seat height (Driver's seat only)*

To adjust, sit on the seat and pull out the telescopic lever. Pull up the lever to increase the seat height, and respectively pull down to lower it.



Warning

- When pulling down the seat make sure that rear passenger's feet are not beneath the seat.
- Do not adjust the seat while driving the car.
- As headrest is a safety accessory, make sure it is installed in the correct position.
- To open the seat please refer to the authorized dealer of IKCO.
- Take care of the seat adjusting rods so as not to be hindered by the cover strings and ties; If you use any fabric slip or cover.

* If equipped

SEATS

2



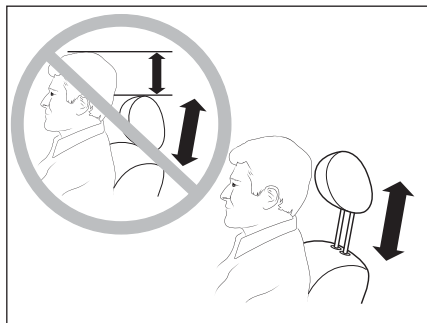
Warning

To avoid the decrease in efficiency of the safety belt, it should be positioned on your shoulder and make sure the seat back is adjusted in an appropriate and correct position.



Caution

To limit the risks of injury to the driver and to secure him and front passenger, it is necessary to adjust head restraint height and position of your head toward it as per above illustration.

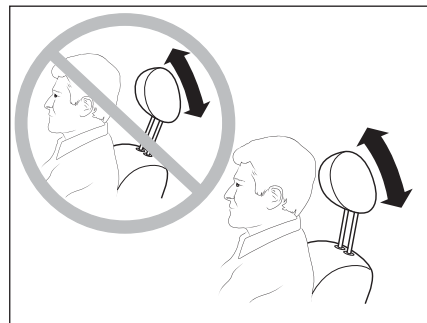


Adjusting headrest height

To adjust the headrest, lift it up to make it level with your nape. To lower it, pull the seat lever down.

Notice:

Considering an extreme force for pulling out the headrest, which in itself may damage the seat, avoid pulling it out except at emergency instances.



Head position on the headrest

Headrest is designed to restrain rear movement of the head at event of an accident or a sudden stop.

If properly adjusted, a headrest can help reduce the risk of trauma to the neck and head during an accident.

In the meanwhile, the head rest is rotatable backward and forward in its own position. (according to above figure)*

* If equipped

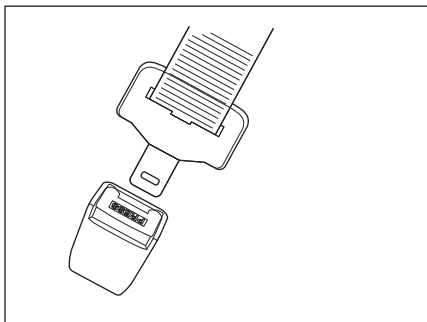
Seat belts safety tips

Seat belts are designed for people of adult size, and they must be used by only one person at a time. Always make sure that all passengers' belts are fastened (properly), and consider the following precautions:

- Do not let passengers recline the seats extremely rearwards. The complete performance is gained when backrest angle is about 25 ° from vertical axis.
- Adjust safety belts to eliminate any slacks. Do not pull the belt away from the body while running. To operate properly, safety belts should be worn as tightly as possible.
- The lap part of the belt should not go over the abdomen but pelvic bones. The shoulder belt should go over the shoulder and across the chest without any pressure to the neck.
- Remove hard, sharp or fragile objects as keys, pens, glasses and etc. from your clothes. The belt should not be twisted, and there would be no obstacle in between.
- Replace seat belts if they are worn, lost their sensitivity or damaged
- Use the seat belts to fix luggage carried on the seats. Throwing loose packages in passengers' compartments during an accident can cause serious injuries.
- In most countries, all passengers are legally obligated to wear safety belts unless be exempted on medical certificate.
- Pregnant women should pass the shoulder portion across the shoulder, breast cleavage and from one side of the fetus. If in doubt, consult your physician.

SAFETY BELTS

2



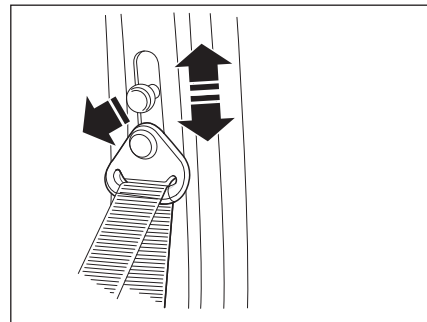
Wearing safety belts

Pull the belt across you slowly. Do not let it get twisted. Insert the latch plate into the buckle until it clicks. A “click” ensures us that the two sections of the safety belts have joined together. Your vehicle has a safety belt reminder light to remind us about fastening the driver’s belt. After buckling up the drivers’ belt, the warning light on the digital dashboard will turn off.



Releasing the safety belt

Press the red button on the belt lock. The belts are designed to cover the body skeleton (pelvis, chest and shoulders) and are only useful and safe when the seats are almost vertical. Do not allow the front passengers to travel with the seat steeply reclined.



Adjusting height of front seat belts

To adjust belt height, pull out the height adjusting knob and fix it in some lower or upper level.

For safety reasons it is advisable that children should use the back seats of the vehicle.



Warning

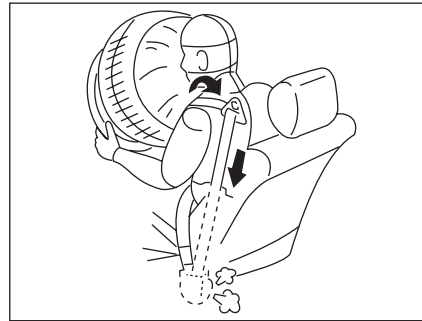
- All seatbacks should always be in an upright position while driving, or seat belt effectiveness may be reduced. Never let the front passengers recline the front seats. Otherwise the safety belt reminder light on digital display panel turns off.
- Do not let external objects (especially sticky substances) penetrate the buckle causing its improper operation.

Pre- Tensioner & Pressure Control

In case of a front collision, safety of the front seats will improve due to the safety belts equipped with interjecting and pressure restricting systems, and depending on the blow's severity, the pre-loading traction system will tighten the bets and pull it even more towards the driver and front passenger seat.

1- The pre-loading traction system will become activated when the car key is turned on.

2- Belt's pressure limiters: this mechanism will reduce pressure on passenger's chest at time of collision.



Pre- Tensioner belt

The safety belt is activated together with the airbag only at time of receiving strong blows resulting from front collisions. They are not designed for blows from the rear, sides (sideswipes), vehicle overturning or minor collisions at front and for this reason they do not become activated. The Interjecting part of the belt may be activated only once. If this system is activated once (i.e. when the air bag becomes active), the Interjecting part of the bet should be serviced by an authorized Iran Khodro representative as soon as possible.



Warning

-Servicing and checking the belt's interjecting system and ites wiring should be performed by specially trained persons at Iran khodro authorized representatives. Any tempering and improper repair of the system may result in unwanted or faulty activation or its failure. Any of these may result in personal injuries.

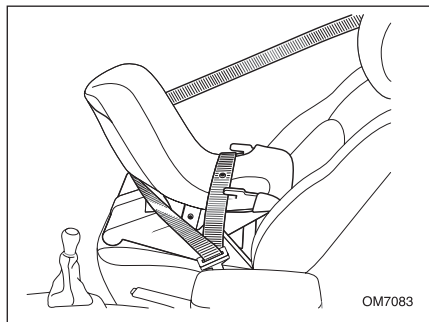
- Only belts fastened as tight as possible on the passenger's body will have the needed effectiveness. Depending on the blow's nature and severity, the interjecting system will work concurrently with the air bags.

In case of non-performance in one of thhe above cases or system defect, the bag's warning light will come on.

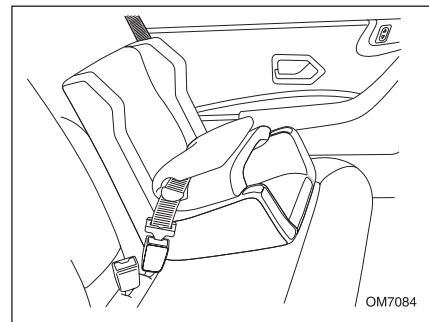
CHILD SAFETY

2

Notice: People under the age of 7 or 8 considered children because of the different ratio of head to body weights. In violent deceleration, the weight of the head and relatively weakness of neck muscle can make serious spinal injuries. They can be considered as young children till reached 13 years of age or at a height of more than 137 centimeters. This is why most countries have envisaged some rules for the purpose of using and selling suitable child restraints.



Babies under the 9 months (and less than 10 kg) must be secured on a rear-facing seat in front of the car. Actually infant restraints provide restraint with the seating surface against the back of the car with a three-point belt-seat belt with locking mechanisms (or inertia reel belt).



The seat of the child from 9 months to 3 years (up to 18 Kg) should be placed forward-facing in the rear of the car and fixed with a three-point belt (lap-and-sash or inertia reel belt).



Warning

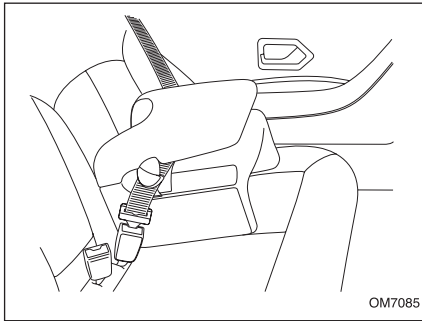
Nothing should be placed under the driver's feet; otherwise it may slide under the pedals by a sharp braking and lead to malfunction of the brake in an emergency situation.



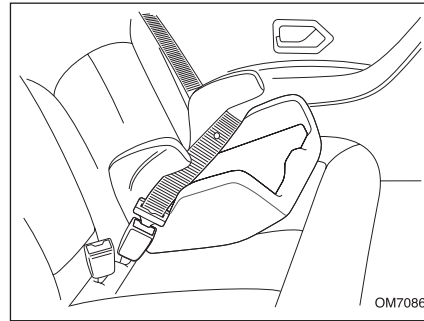
Warning

- In order to maintain the safety, children under 13 years should sit on the seat backward.
- Children under 13 years should never sit on the seat front .

Make sure of air bag deactivation while the infant seat back is located towards the road in front passenger seat ;otherwise there is every possibility of sever injury or even death of the infant due to air bag being opened. locate the seat in the middle position, longitudinally , adjust the back vertically and activate the air bag while the infant seat is towards the road in front passenger seat.



For children (weighing more than 15 kg) equal or greater than 3 years old (more than 15 Kg), a booster seat can be used in the rear of the car, facing forward, using a 2 or 3 point (lap or inertia reel) seat belt (especially suitable for children roughly 3 to 6 years old).



For heavy children – whose weight exceeds the limits of standard seat- who are equal or greater than 3 years old should be seated, a forward- facing booster cushion, in the rear of the car, using a 2 or 3 point (lap or inertia reel) seat belt. (Especially suitable for children roughly 3 to 6 years old).

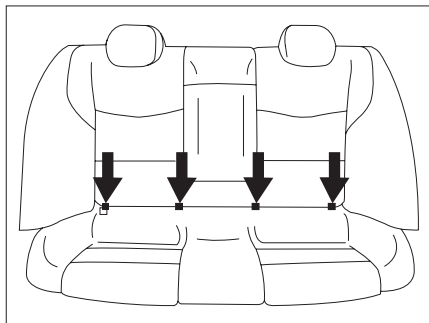


Warning

- The children shall not be seated on the lap of the passengers; otherwise they may be hurt by an accident.
- Never fasten a seat belt at a time for two persons.

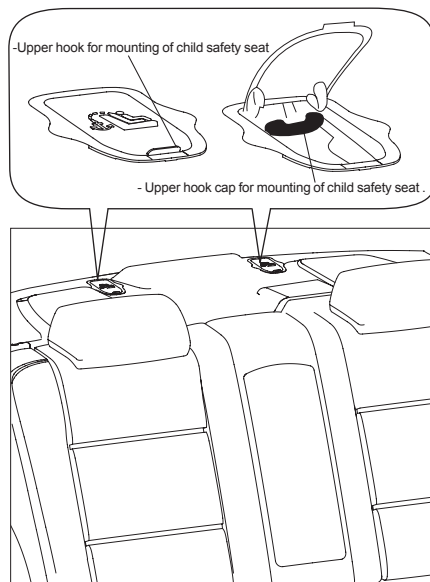
SEATS

2



Installing baby seat based on ISOFIX method

This seat is equipped for baby seat, the clamps of baby seat is able to be easily installed on the clamps of seat's back and floor, a hook is designed on baby seats which shall be installed on the back niche.



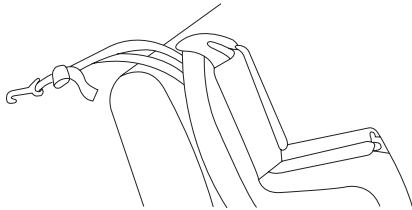
Connectors of the baby seat which is showed on the image include three rings, two of which are designed between the floor and back space and the other one is designed on the niche. The third clamp designed on the niche has a cover.

In order to install the baby seat equipped with ISOFIX, first fix two clamps of board to the clamps of back and floor, and the third above clamp shall be then installed on the niche. Please release the above clamp's cover at first, and then you can fasten it.

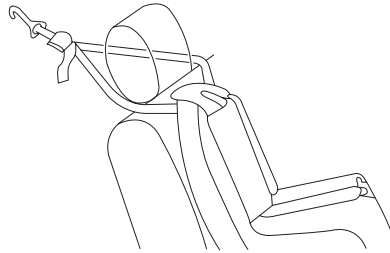
* If equipped

Installing baby seat's hook belt

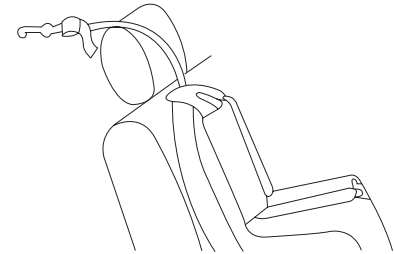
Pass the hook belt from seat back whether it is single or dual designed in case no headrest is installed. See the below image.



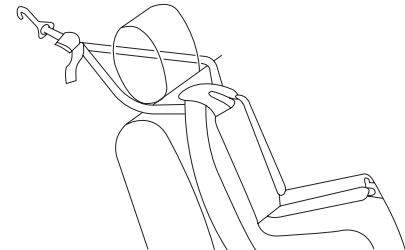
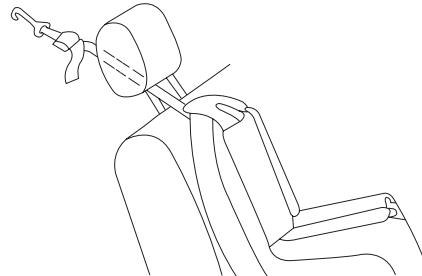
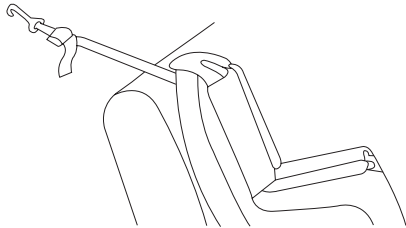
In case the baby seat is installed where the portable headrest exists, you shall pull up the headrest, pass the hook belt under it, then pull it down, or if the hook belt is dual designed, pass it from two sides of the headrest. See the below image.



In case the baby seat is installed where the fixed headrest is installed, you shall pass the hook belt from above the headrest in case it is single designed.



In case the baby seat is installed where the fixed headrest is installed, you shall pass two sides of hook belt from above the headrest in case it is dual designed. See the above image.



CHILDREN SAFETY

The appropriate place of fastening baby seats equipped with seat belt hooks.

2

Weight groups		Seat Position		
		Bach central seat	Back side seat	Front passenger seat
Group O	Up to 10 Kg	X	U	X
Group O+	Up to 13 Kg	X	U	X
Group I	9 to 18 Kg	UF	UF	X
Group II	15 to 25 Kg	UF	UF	X
Group III	22 to 36 Kg	UF	UF	X

Suitable for UNIVERSAL baby seat, approved for this weight group	U
Suitable for UNIVERSAL baby seat, with front-design approved for this weight group	UF
Suitable for special baby seats	L
Not suitable for this weight group	X
UNIVERSAL baby seat is suitable to be installed in all vehicles	



Warning

- Never place an object on floor of the vehicle, because when the vehicle brakes, there is a risk of placing the object beneath the pedals which may cause severe dangers.
- Never let the children to seat on your foot because there is a risk of severe dangers. Never fasten a seat belt for more than one passenger.

* If equipped

Appropriate place of baby seat installation with ISOFIX connectors

Position of ISOFIX			Type of fixture	Dimension class	Weight group
Back central seat	Back side seat	Front passenger's seat			
N	X	N	ISO/L1	F	Child carrier
N	X	N	ISO/L2	G	
N	X	N	ISO/R1	E	O to 10 Kg
N	X	N	ISO/R1	E	O+ to 13 Kg
N	X	N	ISO/R2	D	
N	X	N	ISO/R3	C	
N	X	N	ISO/R2	D	Group I 9 to 18 Kg
N	X	N	ISO/R3	C	
N	IUF	N	ISO/R2	B	
N	IUF	N	ISO/F2X	B1	
N	IUF	N	ISO/F3	A	

Explanation :

Suitable for UNIVERSAL baby seat, with front-design approved for this weight group	IUF
Suitable for special baby seats equipped with ISOFIX	L
Not suitable for this weight group with this ISOFIX position	X
ISOFIX fixture is not available for this position	N
For more information on dimension class and type of fixtures, refer to baby seat user's manual	

* If equipped



2

Warning

- Make sure the appropriate fixture of above hooks to the belt of baby seat located on back niche . Refer to installation manual. Or, appropriate safety may not be provided in case of any accident.
- ISOFIX fixtures shall be used only when the baby seat is installed on back seat side area, not when it is installed on central back seat. If the baby seat is installed on back central seat, just fastening passenger's seat belt is enough for safety.
- Pay attention to different types of fastening upper hook based on different positions of the headrest.
- Baby seats endure for the forces inflicted by the children and for the determined amount of forces, not for adults. Actually adults who fix their seat belt to the baby board will cause severe risks and dangers in the accidents because of baby seat overload.
- Never make use of audio systems which cause releasing the upper hooks of the baby seat.
- Accidents may cause damages to the vehicle ISOFIX system, damaged ISOFIX systems will not procure enough safety and will cause severe dangers at the times of accidents. So, ensure the appropriate operation of ISOFIX system as soon as possible, and make sure that the system is operating mechanically true and plan for periodical checkups for this system.

Extinguisher*

It is necessary that owners learn about usage of car extinguisher.

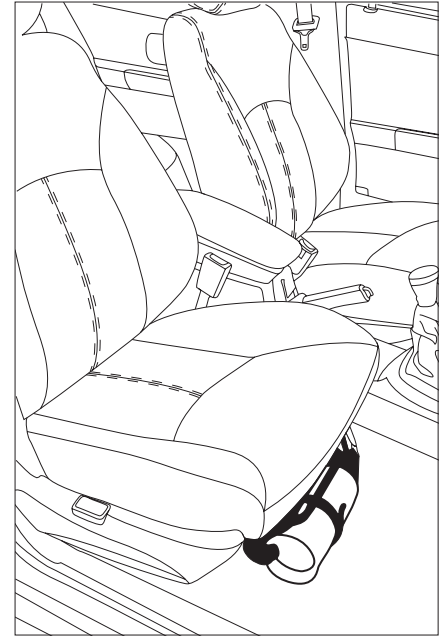
Product Specification:

1. This kind of capsule contains dry chemical powder with 16 gr high pressure CO2 cartridge (capsule). During operation, after release cotter pin, gas inside cartridge will mixed with dry powder and mixture is ready to void.
2. Maintenance and operational accordance within -30 to 90° C temperature.
3. This kind of capsule doesn't need to be checked for 5 years and if it is used, it will be easy to recharge again.
4. Non conglomeration of powder in the case of any car vibration, high temperature and car accident is one of the pros of this capsule.

How to use

Activation procedure of capsule is written in English language on it's body as follow which must be read carefully.

- Pull out cotter pin
- Pull out cap cotter pin upward
- Aim the nozzle toward fire center and press handle downward for powder discharge



2

Notice

To prevent of fire expanding due to air feeding in engine compartment, do not open the hood completely. After release cotter pin and activation the capsule, open the hood about 10 to 15 cm with discretion and care then simultaneously discharge the mixture in fire center about 1 to 2 seconds. After that open the hood and completely discharge the capsule in fire center. Pay attention that the capsule weight is 1 kg and it's discharge duration is about 7-10 seconds. there fore paying attention during operation is so necessary.

* If equipped

EXTINGUISHER

2

Important tips

1.Never open discharge valve of fire extinguisher. This cause to lose quality of material inside fire extinguisher and reduces it's power.

2.If the door and windows are locked and impossible to open due to fire emergency or emergency conditions, take the fire extinguisher which is placed under front passenger seat and break the window by its end then exit the car.

3.Although the material inside fire extinguisher is not poisoning, never discharge it toward face and eyes.

4.During installation inside the car, pay attention that fire extinguisher is well placed and it's plastic mounting belt is properly locked, otherwise in case of impact or accident it moves from it's place.

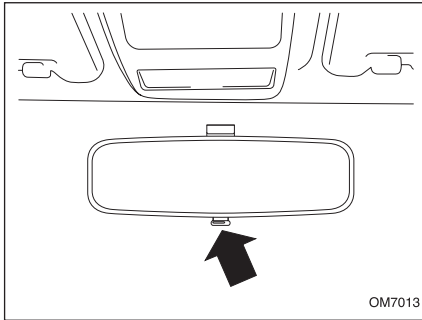
5.During fire emergency, always be cool and follow the procedure carefully.

6.The 1 kg fire extinguisher is just designed for control and restrains the fire at beginning so in case of fire emergency which expands in large area, notify the fire department to help and control the fire. The mentioned fire extinguisher has no efficiency in above case.



Caution

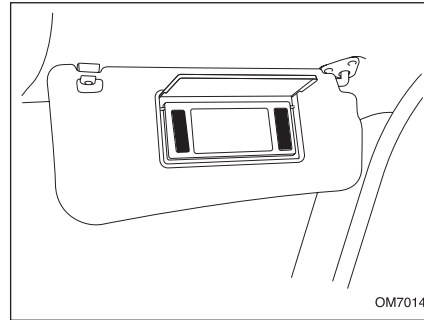
Experience and coolness are two fundamental skills during usage of fire extinguisher, so car manufacturer has no commitment to owner due to non correct usage of fire extinguisher.



Rear-View Mirror

Adjust the mirror after seats and steering wheel are adjusted. Press the button beneath the mirror, and turn to “night” position to get rid of back cars glare effects. The mirror car returns to initial position by pulling the button forwards.

Note: The amount of light reflected into your eyes in the night position, is very small (comparing to its normal position), but sometimes it misleads the driver in recognizing the real position.



Vanity mirror

Turn the sun visor down to use the vanity mirror.

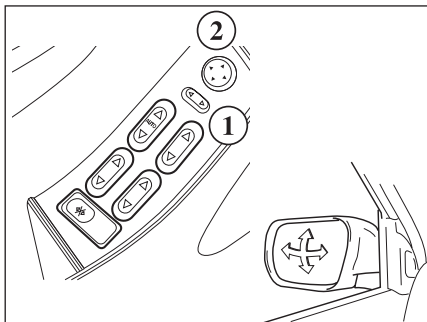


Caution

Do not adjust mirrors while driving. This is extremely dangerous. For safety reasons, do this adjustment when the vehicle is stopped.

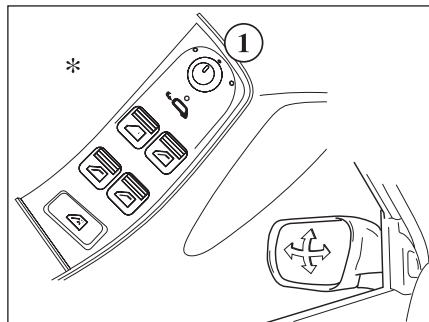
MIRRORS

2




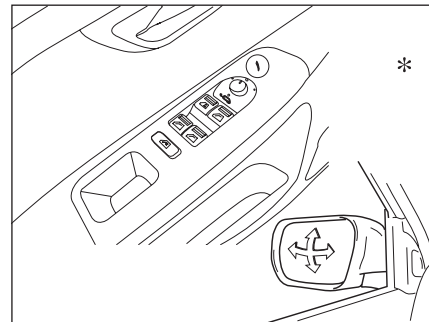
Adjusting Electrical Mirrors*

1. Press button "1" to select left or right side mirror after turning the switch on.
2. Press button "2" in four directions to adjust the mirror to left, right, up and down directions. (When the switch is closed, the electric mirrors have a function for 45 seconds.)



In some models: *

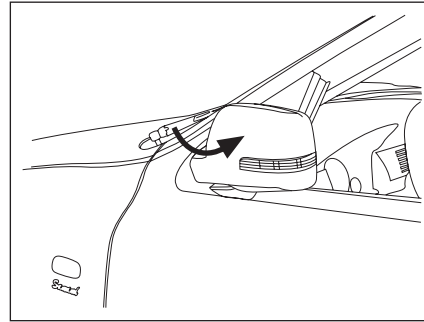
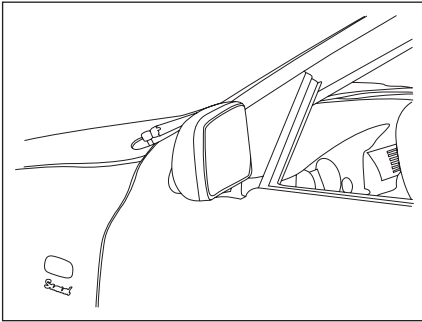
- 1- After turning on the switch, select the right or left mirror by turning the key no.1
- 2- Adjust the mirror towards right, left, upward or downwards by moving key no.1
- 3- If the vehicle is equipped with  electric folding mirror; the mirror is closed by 180° turning the key No.1 and it's opened by getting out of this position. * (When the switch is closed, the electric mirrors have a function for 45 seconds.)



Warning

Projection in the mirror is viewed farther than real object distances.

* If equipped



Folding exterior mirror (Electrical) *

Many of car owners are aware of the advantages of the folding side mirrors especially when the car is parked in a passage. To mention the advantages, one may point to the increase in safety coefficient of the mirror when leaving the car as well as the lower space required for parking the car.



In case the vehicle is equipped with the electric folding mirror, close the mirrors By turning the key 1 to 180 degree and vice versa for opening it.*

Parallel with these and with a view to increasing the comfort of the driver, the electrical exterior folding mirrors are automatic and it can be folded/unfolded by

remote control, no need to manual contact. Meanwhile, to fold the mirrors after locking the car by remote control, lock button must be pressed once again within 10 seconds after the first push.

In addition, the mirrors can be folded/unfolded through selector on the key set of window lifter, even when the vehicle is turned on and moving.

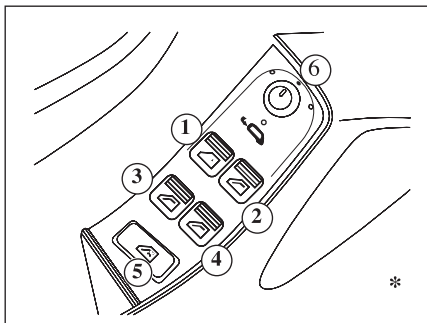
Therefore, when the driver passes through the narrow passages, can bring the mirror to the closed position.

If the flasher is used, the lights on folding mirrors are blinking simultaneously with the relevant flasher.

* If equipped

WINDOW REGULATORS

2

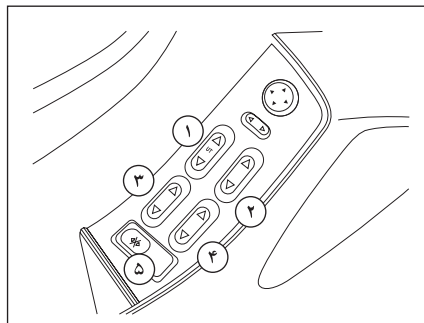


Side Windows

Driver's side adjusting switches are:

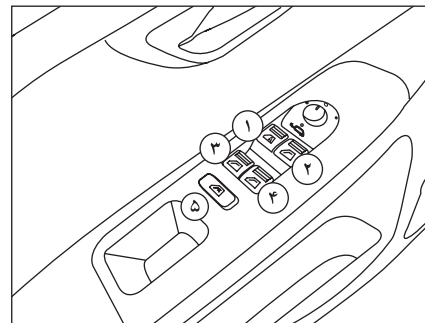
1. Left hand front window
2. Right hand front window
3. Left hand rear window *
4. Right hand rear window *

Driver can lock rear windows.*



Rear Window Locking Switch*

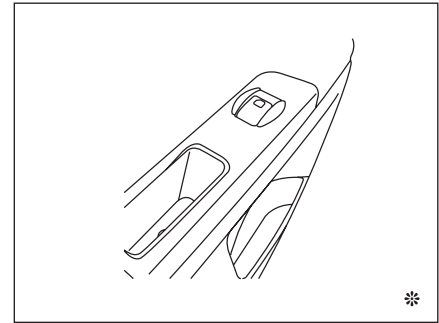
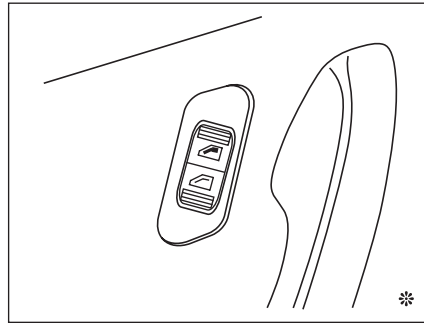
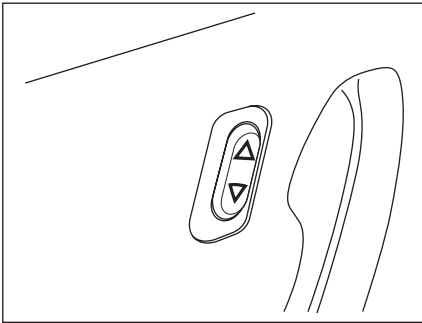
5-The rear windows cannot be operated by rear switches when locking switch have been turned on. This is a safety function when carrying children in the rear seats.



Warning

- Never leave a car in which an infant or pet animal is seated with the switch card in the car. Indeed the infant or the pet animal can operate the electrical windscreen switch and get caught (by head, arm, hand etc) in the opened windscreen, thereby inflicting heavy injuries to oneself. In the event the windshield has caught the infant or the pet animal, immediately operate the windscreen in the reverse direction.
- A power window won't stop if your fingers, hand(s) or head get in the way. You or others could be seriously injured.

* If equipped



Screen Switches

Any passenger can open or close their side window. Rear windows are not operable if the driver locks the buttons.



Warning

- Never leave a car in which an infant or pet animal is seated with the switch card in the car. Indeed the infant or the pet animal can operate the electrical windscreen switch and get caught (by head, arm, hand etc) in the opened windscreen, thereby inflicting heavy injuries to oneself. In the event the windshield has caught the infant or the pet animal, immediately operate the windscreen in the reverse direction.
- A power window won't stop if your fingers, hand(s) or head get in the way. You or others could be seriously injured.

* If equipped

WINDOW REGULATORS

2

Intelligent side windows

The new intelligent windscreen switch installed in your vehicle is endowed with an electronic board providing the following advantages:

- 1- Anti-Trap safety system
- 2- Automatic closing of glasses after locking the car with a remote control
- 3- Automatic shift command of the four windscreens
- 4- Slow coming to a halt of the windscreen at the end of the course



Warning

Despite the anti pinch safety system, the electrical windscreen switches can only prevent the inflicting of heavy injuries caused by the application of the undue force.

Therefore, it is advisable to respect the necessary precautions in this regard.

Anti-Trap safety system*

This is a safety system which prevents the body parts from getting caught while the windscreen switch is on its upward course. In this system if the windscreen gets in contact with an obstacle while in its upward course, it comes to a halt immediately and moves in the reverse direction, thus it will prevent the inflicting of heavy injuries to the infant. Furthermore, the above system will insure the longer useful life of the windscreen switches.

Automatic Window Closing*

When the vehicle is turned off and its doors locked using remote control, this system will check the car windows one by one and raise the windows that are not closed properly. This security system will take care of security risks of forgetting to close all the car windows and will let the driver leave his car with peace of mind.



Caution

Always make sure all four windows are automatically closed, before leaving car's parking place.

Automatic Order for Movement of the Four Windows

This system will provide the option to lower or raise the windows, both manually and automatically for each window.

In ordinary vehicles only raising of the driver's window is automatic.

Manual mode:

Press the button of the respective windscreen and press it consecutively. As soon as the application of pressure on the button ceases, the windscreen will stop.

Automatic mode:

By pressing the button once, the windscreen will open or close completely. The new windscreen switches will make you able to open or close manually/ automatically the four windscreens simultaneously. In the event the button is pushed once, the windscreen will automatically go upward or downward course.

If the button is pressed consecutively (for a longer time), the windscreen is operated in the upward or downward direction till the pressure exerts on the button; in that case the movement come to a standstill immediately.

* If equipped

Slow coming to a halt of the windscreen at the end of the course*

In this system the pace of the window screen will automatically reduce at the end of the course till it stops gradually at the end. In this case, there will be no or less impact on the door. This system eliminates the unpleasant noise arising from the sudden stoppage of the switch at its final course and increases the useful life of the internal door parts.

(Obviously the anti-Trap system is both operated manually and automatically and in the event the windscreen gets in contact with an obstacle while in its upward course, it comes to a halt immediately and moves in the reverse direction).

Note

While adjusting the system, the anti-Trap system is deactivated.

Note:

The intelligent windscreen switch is equipped with a sensor which precisely registers the windscreen position at any moment. To distinguish the starting and finishing points of the windscreen movement domain, the preliminary readjustments of the windscreen electronic system are made in the factory. If for any reason such the opening of the battery leads the permanent energizing of the window switch ceases, the preliminary adjustments are wiped from the memory and the new abilities of the intelligent window switch cease to operate. Following the permanent re-energizing of the system, the preliminary readjustments and start-up of the windscreen switch have to be made again.

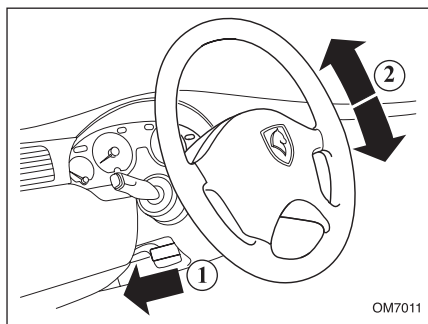
This includes the following stages and could be easily done by the owner in the following manner:

- 1- Lower the windscreen to the end of the course.
- 2- Raise the windscreen manually to the end of the course (In automatic mode, it will be deactivated).
- 3- Upon the movement of the windscreen to the end of the course, hold the button just for a second.

* If equipped

STEERING WHEEL ADJUSTMENT

2



Adjusting steering wheel

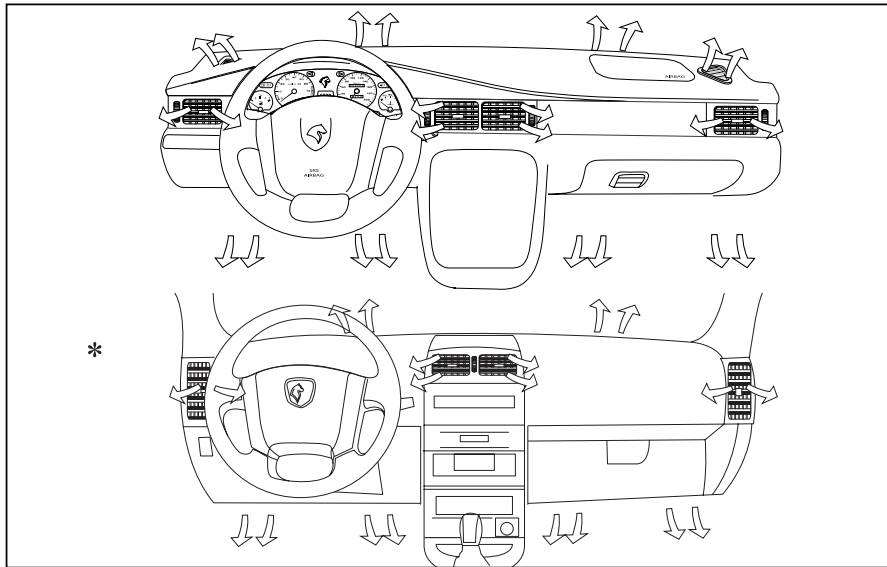
Adjust the angle of the steering wheel to your body position before driving. Therefore, you should at first adjust your seat, and ensure that all the indicator lights and dials on the fascia panel are clearly visible. Then adjust the steering wheel on best position.

1. Push down the control lever and unlock the steering wheel.
2. Adjust the height of the wheel, and pull up the control level completely to lock in the desired position.



WARNING

- Never adjust your steering wheel while driving. This is extremely dangerous.
- For safety reasons, only adjust the steering wheel when the vehicle stands still.

**Caution****Heating and Air Conditioning System**

- To prevent the probable damage, use the distilled water in radiator.
- To help maintain optimum performance and durability of your air conditioner (even in winter), it needs to be operated at least once for about 10 minutes each 15 days.
- It is recommended the A/C system should be turned off before the engine.
- Only R-134a gas (Eco-friendly and not destroying the ozone layer) is recommended. Otherwise it will damage the A/C system.

Heating and ventilation

The heating and ventilation system provides fresh or heated air to the interior of the car from the intake grille in front of the windshield.

Air outlets are provided for the windshield, front passengers face and feet.

Also there are air outlets for rear seat passengers on the middle console.*

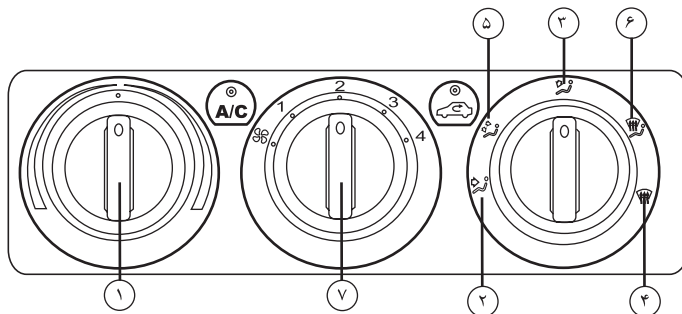
Information concerning the operation of the heating and ventilation system, as well as the air conditioning appears on the pages that follow.

Note: Keep the air grille in the rear window shelf uncovered to enable air flow through the whole of the interior.

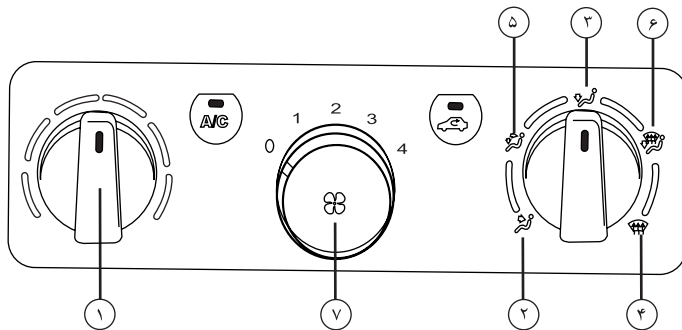
**Warning**

Do not open the coolant fluid circuit. This fluid is dangerous to the eyes and skin.

* If equipped



*



Temperature adjustment

- 1. Blue: Cold air
- Red: Hot air

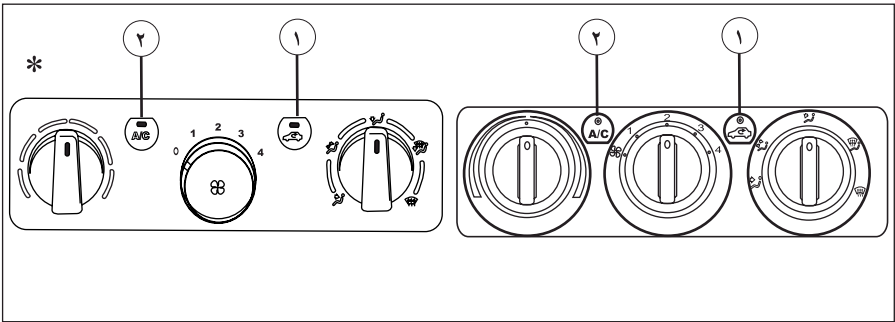
Air distribution adjustment

- 2. Center and Side Vents
- 3. Foot wells
- 4. Windshield and Side Windows
- 5. Put the control between 2 and 3 positions to obtain sufficient air flow for center and foot wells.
- 6. Put the control between 2 and 3 positions in order to obtain enough air flow for center, foot wells , windscreen and side windows.

Air flow adjustment lever

- 7-Slide the switch to the right position to increase the air flow.

* If equipped



1-Interior air recirculation

Press corresponding button until the light turns on. In this position air exchange with exterior is disconnected and only internal air will circulate. Internal air circulation should be selected only in the following circumstances:

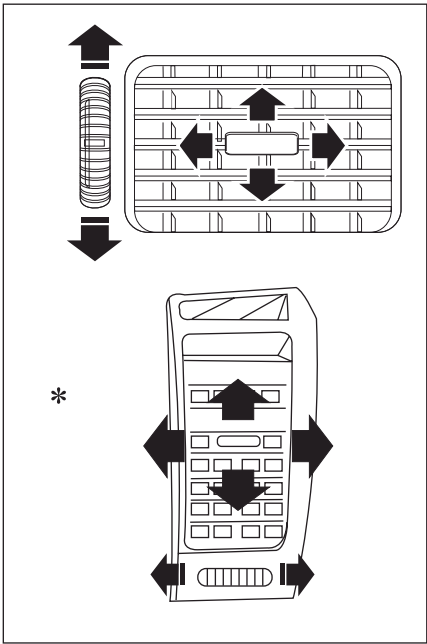
- Preventing exterior unpleasant odors
 - Rapid internal temperature fall/ rise
- This condition may result in misting windows. Put the system in normal position as soon as possible.

2-Air conditioning

Press the switch to start operating when the engine is running. The light on the button turns on, shows that the air conditioner is operating.

Notice: Used simultaneously with the interior air recirculation, improves air conditioning performance, internal air circulation system is automatically activated.

A slight screen misting maybe experienced when air condition system starts in highly humid conditions. The mist disappears a few seconds after starting.



Center and side vents

Rotate the thumbwheel down to close the grill, and rotate up to open the grille. Move the grille button to sides, up or down to adjust air flow.

* If equipped

HEATING / VENTILATION

The following procedures will enable you to gain maximum benefit from the heating and ventilation system.

2

Demisting / Defrosting

a) In cold weather and for a better defrosting of windows:

- Select "windshield" on the air control panel
- Slide the air temperature control to the RED segment.
- Slide the blower switch to maximum.

By doing this you increase the windshield temperature and prevent the appearance of fog.

b) When the weather is pleasant but with high humidity:

- Slide the air temperature control to the blue segment.
- Select the interior air recirculation.
- Press air condition button.
- Select the minimum level of air blower.

By doing this you increase the windshield temperature and prevent the appearance of fog.

Using one of the above methods or a mixture of the two depends on your comfort

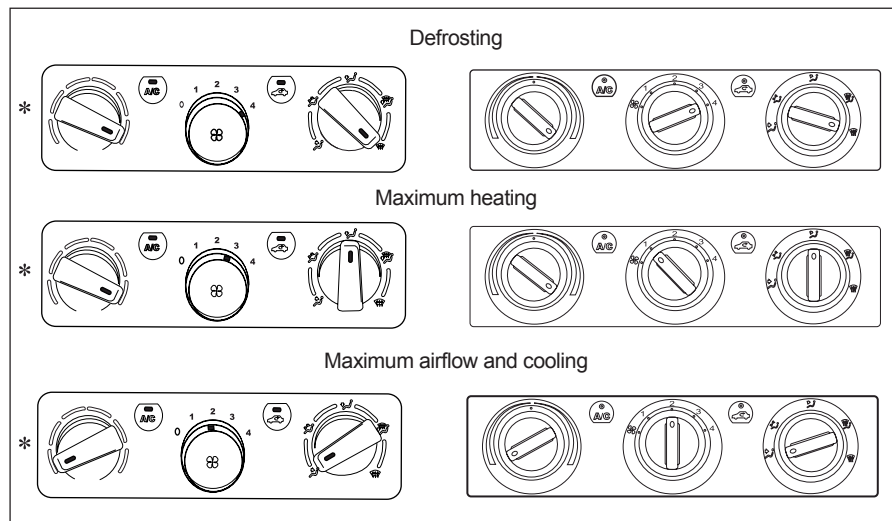
when driving. In some cases opening one of the side windows up to 2 Cm will be useful.

Maximizing heating system

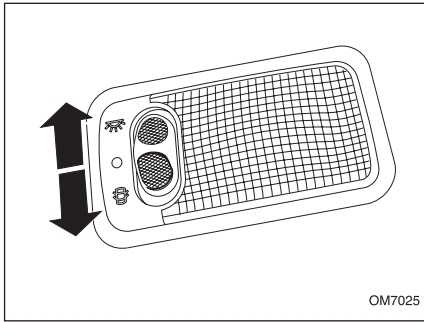
- Set all air vents towards foot wells.
- Slide temperature control lever to the red section.
- Slide blower speed control level to the right as needed.

Maximizing cooling and air flow system

- Set the airflow-adjusting key on "face ward" position and be sure that the grilles are open.
- Slide temperature control lever to the blue section.
- Slide blower speed control lever to the right as needed.
- Turn on air conditioning.



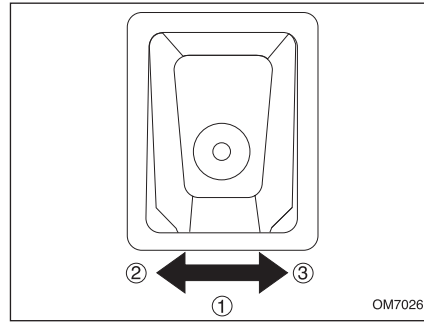
* If equipped



Front courtesy light

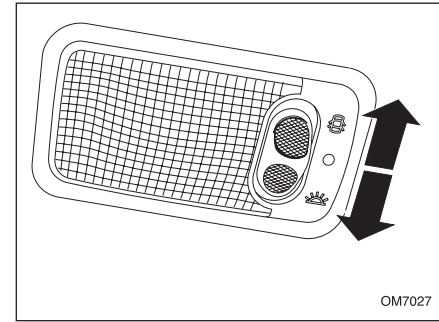
This light provides permanent lighting or the light comes on when one of the front or rear doors opens.

If the light is on when a door is opened, if the switch is closed, the light will be turned off after 12 seconds closing the doors.



Map reading light*

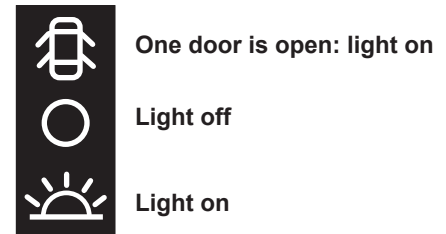
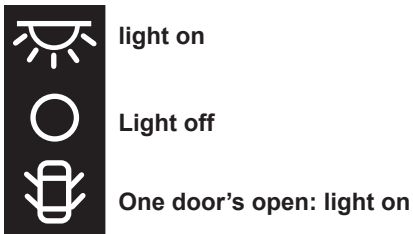
1. Off
2. Driver's side light is on
3. Passenger's side light is on



Courtesy light*

This light provides permanent lighting or the light will come on by opening one of the front or rear doors.

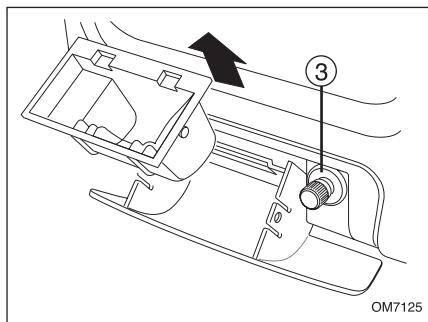
If the light is turned on when a door is opened, if the switch is closed, the light will turn off 12 seconds after the doors are closed.



* If equipped

INTERIOR EQUIPMENT

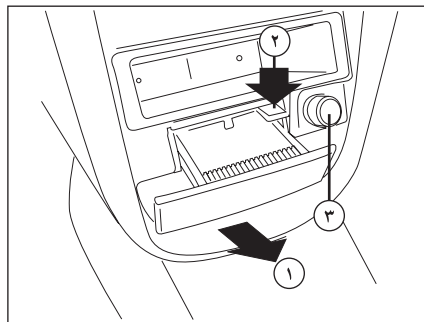
2



Front ashtray

It is located on the lower side of the front console.

1. Press the cover to open.
2. Open the door and pull out the internal compartment to empty
3. Front cigarette lighter is located next to the ashtray



The ashtray (front) *

The front ashtray is located at the bottom of the console.

- 1- To open it, pull the cover outwards.
- 2- To drain, push the related latch downward and completely remove the compartment.

To fit the compartment, as you hold the latch downward, insert it and press it to the end.

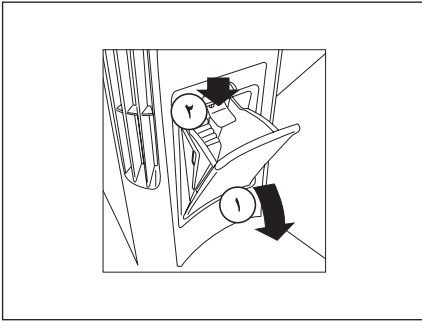
3- Lighters



Warning

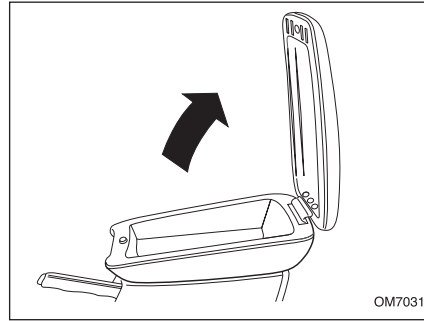
- Ashtrays are a fire hazard. **DO NOT** use for waste paper or other combustibles.
- According to the manometer embedded in the lighters, only the use of the vehicle lighter is allowed, and the consequences of the use of external electrical instruments is for the vehicle owner.

* If equipped



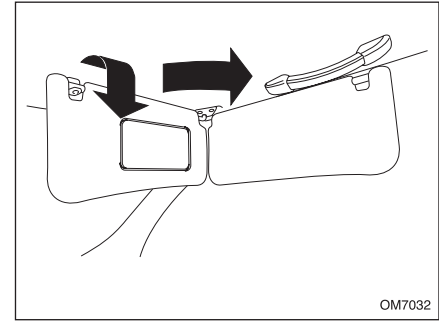
The ashtray (rear)

1. Open it in a rotating position.
- 2- To drain the compartment, push the related latch downwards and pull the compartment towards yourself.



Cubby box

- The cubby box is located beneath the central armrest.
- Lift the lid to open it.



Sun visor

- Fold down the visor by the hinge to shield your eyes from direct sunlight.
- The visor can be used for both the windshield and side windows.



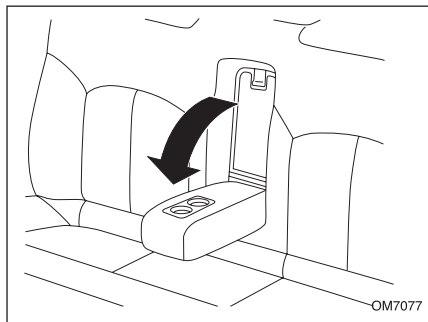
Warning

- The ashtray is at high risk of the fire. Avoid pouring waste paper and flammable materials on it.
- According to the manometer embedded in the lighters, only the use of the vehicle lighter is allowed, and the consequences of the use of external electrical instruments is for the vehicle owner.

* If equipped

INTERIOR EQUIPMENT

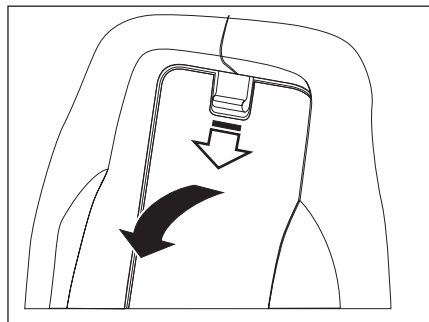
2



Rear armrest*

Fold down the armrest from the backseat cushion. The armrest provides more relaxation and comfort when carrying one or two rear passengers. Also in case you want to access the trunk hatch, fold down the armrest.

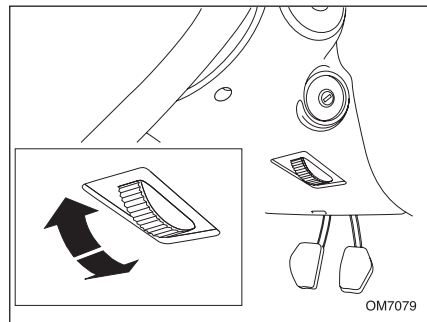
Two cup holding recesses have been arranged under the armrest.



Trunk lid access vent*

This hatch is located behind the rear armrest, and is used to carry long objects—such as skis so that a part is situated in the trunk and the prolongation goes through the hatch to the backseats— or to access the trunk lid through passenger compartment.

- Lower the center armrest and release the catch at the top of the hatch and lower to lay completely on top of the armrest.



Adjusting instrument panel dimmer*

The switch is located below the steering wheel on the underside of the steering column cover.

Turn the dimmer backward and/or forward to decrease or increase the lighting of the instrument panel.

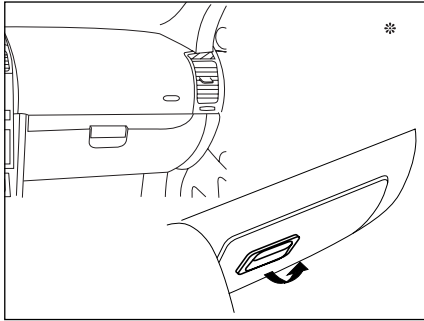
the heating and ventilation adjusting keys light and cigarette lighter keys light.



Warning

Long objects should be carried carefully.

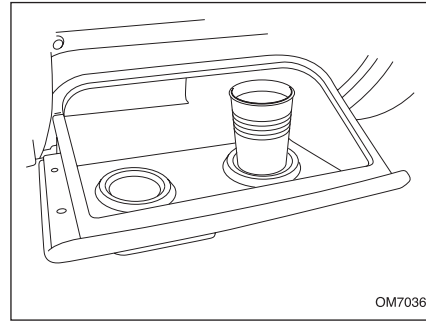
* If equipped



Glove box opening

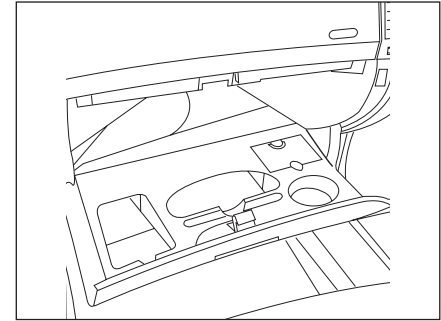
- Pull the handle to open the glove box.
- The glovebox is illuminated on opening and lamp is extinguished on closing.

Notice: The owner's manual should always be kept in the glove box for instant usage.



Cup holder

Two cups holding recesses appear on the glove box lid when it is fully open. Pay attention not to close the lid in this situation.



Cup holder *

- A slot for holding cup, two brackets for pen, and a place to put the card in the dashboard box.



Warning

Pay close attention when the car is running and hot drinks are placed inside the holder.

* If equipped

INTERIOR EQUIPMENT

2

1-Trunk lid unlocking key*

To unlock the trunk lid from inside the vehicle, push related button for at least 1.5 seconds.

2-Rear Screen Heater

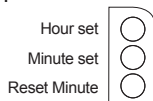
Press the corresponding key to turn it on. The lamp inside the key is lit when heater operates.

NOTICE: the rear heater operates only when the engine is running.

Side Glass Heaters: turn on the rear window heater to remove any mist or frost side glass heater is located in automatic ventilation section.

3-Digital Clock

This clock operates on a 12-hour display basis. Press the following buttons for:



Press B and A simultaneously for 2 seconds to enter the date setting mode. Then use the A key to adjust the day and use the B key to adjust the month. Simultaneous pressing of the keys A and B for 12 seconds will change the display of date from Solar to Christian date and vice versa.

A clock setting

Setting date

B Setting the minute

Caution

For safety reasons, adjust the clock when the vehicle is stationary.

4-Central lock button*

The vehicle's doors are locked and unlocked by each time pushing this button. The indicator on the button comes on when the doors are locked. This indicator flashes when the doors are locked by remote controller which indicates the anti-theft system is active.

Automatic central lock of the doors

The doors are getting locked automatically at the time of driving (in speeds more than 10 km/ h). It's sufficient to press slightly the key no 4 to open the doors temporarily in speeds of more than 10 km/ h.

Activation

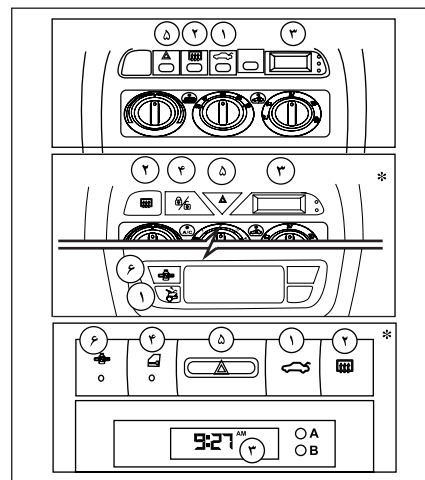
A prolonged pressing on key no. 4 for 5 seconds while the starting switch is in on position will cause the activation. This activation will be along with three times of lamp blinking on the key and audio alarming..

5-Flasher

Push flasher button, all flashing indicators and turn signal lights on the instrument cluster start flashing. Use these lights only in emergency situations such as when your vehicle has blocked the other vehicles and/or when there is a dangerous situation. Flasher will be on even when the engine is OFF, so switch the flasher off when the emergency situation has ended. (If the speed of the vehicle is decreased drastically for any reason the warning system will switch the flasher on automatically for 5 second.)*

6- CNG Conversion Key

For converting from Gas to Gasoline and vice versa, press CNG conversion key for 2 Dilatory seconds.

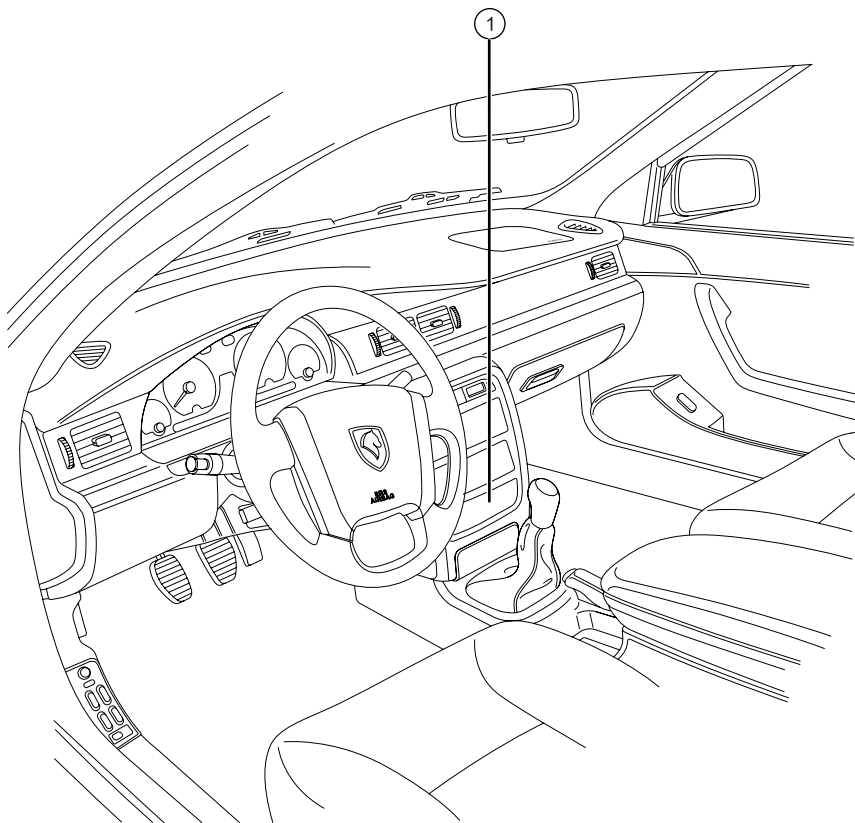


Warning

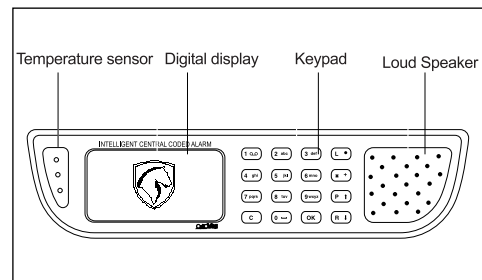
- In case the feeding current is disconnected (battery disconnection, electrical feeding wire cutoff...), the clock's numbers will be erased. The clock has to be readjusted.
- Avoid scraping and scratching the heating elements to prevent any damage, and do not stick any labels over them.
- If the speed of the vehicle is decreased drastically for any reason the warning system will switch the flasher on automatically for 5 second.
- In some models, Rear screen heater & window regulators don't get activated simultaneously.*

* If equipped

1- Alarm*



2



AS7001

* If equipped

ALARM

2

Audio – video alarm specification

1. Audio and video capability
2. LCD display
3. Keypad
4. Loud speaker
5. Temperature Sensor








Capability

1. Warning messages are displayed on the LCD screen.
2. Vocal warning to notify different messages.
3. Theft deterrent with the following specifications:
 - a) 4 digit password possibility
 - b) shock sensor with ability of sensibility adjustment by software
 - c) Dual position LED memory.
4. Control timer for RLT roof light
5. Measurement of vehicle interior temperature and their display on LCD
6. Equipped with inertia switch for opening the doors in case of accident
7. Possibility of changing the back light by software



Audio-Visual Alarm Specification

1. During the course of driving, warning messages are displayed on the LCD and an audio message is broadcasted through speakers according to the type of error.
2. This system has three principal menus and eight sub-menus in the settings menu, each provided for a specific purpose.
3. Theft deterrent with 4 digit code and siren.

Buttons' Function

-  Button functions in all menus and confirms selected menu and input data.
-  Button is used to stop the sound of audio warning and to exit all menus. By repressing of the  button, the audio warnings is activated.
-   Buttons are used for up and down, left and right moving.
-  Button is used to turn the instrument panel on and off.
-  Button is used to cut off the warning alarm when speed exceeds 120 KM an

hour and to cut the beep sound of keypad. By pressing once again this button the warning alarm option is turned on.

By pressing the  button on the main menu you can adjust the LCD light from 0 to 100%
The sign  appears when air condition works.

Warning message



Warning controls detectable problems when the car starts running.


Two seconds after a problem occurs, the driver is notified in two ways:

1. One can hear the audio warning through the loud speaker
2. Video warning displays on the screen.

When the car is running, if any of the following problems occurs corresponding warnings are displayed and diffused:

1. **The hand brake or brake liquid should be controlled**
2. **Oil pressure is low**
3. **Replace the brake pad.**
4. **Water temperature is high**
5. **Doors are open**
6. **Turn off the lights**
7. **Change the engine oil**
8. **Change the oil filter**
9. **Change the air filter**


Press  the button to cut the warning sound. The sign  appears on the screen. The warning message appears but no sound is heard.

 Button does not cut the message related to the lights being left on and the message will continue in all situations.



(1)

Theft-Deterrent

When the remote keyless is used to lock the car, all doors, hood, the trunk lid and fuel filler cap are locked and theft-deterrent is activated. The message “the anti-theft is active” appears on the screen and the panel light or the corresponding signal  blinks on the instrument panel. If you lock the doors with the key, theft-deterrent system will not be activated.

In addition to the usual theft deterrent means, the intelligent theft deterrent of Samand is equipped with extra capabilities as follows:

- a) 4 digit code
- b) Shock sensor with ability to be set up by software
- c) memory LED in two positions



(2)

Theft-Deterrent is active:

If the car is in “unlock” mode, the “lock” button is pressed ,and doors are closed :

The doors are locked and shock sensor is activated after 7 seconds. Siren and flasher are triggered once.

If there is any impact against the vehicle at this time, the shock sensor is triggered depending on the predefined sensibility.

Therefore siren and flashers are activated continuously for 30 seconds and the map reading light stays on for 30 seconds and the danger sign is displayed(2). If

shock sensor remains active for about 30 seconds, siren and flasher are triggered for 30 seconds too, map reading light stays on and this trend continues, if the shock sensor is not triggered, the returns to theft deterrent position and memory

LED remains on, showing a danger till the vehicle starts.

If in theft deterrent position one of the doors becomes open, like the previous situation, siren and flasher are triggered, and the checks the door after 30 seconds.

If the door is closed, the returns to theft deterrent position, if not, door opening alarm in theft deterrent position is activated, meaning that the siren and flashers are continuouslyactivated during 30 s. When the vehicle is in theft deterrent position, if (On) button on the remote control is pressed, siren and flasher turn on once for confirming the activated theft deterrent position (Panic) and map reading light turns on and turns off with delay.

Remark:

1- Activating siren once means : siren works for 20 ms.

2- One time activating of flasher means, flasher works for 500ms

Four digit code:

when the vehicle is in theft deterrent mode and unlock (Off) button is pressed:

Enter Password

###

(3)

Wrong Password

(4)



(5)

a) If 4 digit code is activated on the intelligent (menu 3), figure 3 appears, after unlocking and opening the door, if at the end of the specified time in the code duration setting page, no code is entered or is entered by mistake, intelligent shifts to alarm and siren and flashers work for 30 s (figure 5). It should be noted that the code can be entered three times in a row and if the code is entered by mistake for the third time (figure 4) shifts to alarm position.

b) And if 4 digit code is not activated and door is not opened during 10 seconds, the vehicle shifts to lock and theft deterrent position, unless one of the buttons on the key pad is pressed or the vehicle is started.

Alarm in normal position

When the is not in theft deterrent position, the following capabilities have been included to the intelligent:

a) When the vehicle is off and driver leaves the vehicle and door is closed, after 5 seconds, the siren triggers 5 times on 200 ms intervals for reminding to lock the vehicle.

b) Doors are opened with button 1 and closed with button 3 on the intelligent keyboard.

c) When the speed of vehicle exceeds 20 Km/h, doors will be locked automatically and they will open when the vehicle isturning off.

ALARM

2

Map reading light timer

Map reading light control comes on by activating intelligent and operates in the following situations:

- 1- While the vehicle is off and the vehicle door or trunk is opened, this light turns on and while the door is closed, the light stays on for 12s and then turns off progressively.
- 2- When the vehicle is in theft deterrent position, by pressing the **unlock** button, light stays on; otherwise, it will be activated by **auto-lock** and the map reading light will turn off automatically.
- 3- In the case of danger and alarm, the map reading light remains on till the end of the theft-deterrent alarm position.
- 4- Should any of the vehicle's doors (such as trunk lid and engine hood) are open, when driving, roof light informs driver by blinking.

How the background light turns on and off?

Effective factors influencing on background light turning on and off are as follow:

- 1- Alarm Position
- 2- Anti-Theft Position
- 3- L key
- 4- Front Light On/Off Position
- 5- On/Off Position

- 6- Keyboard keys (except L)
- 7- Messages display

Escorting of driver in darkness

When you're leaving the vehicle in dark places, you can keep the space alight for 30 seconds by turning on the small lights and low light. For this purpose:

- Turn off the lights.
- Keep the switch in Stop position (or take out the switch)
- Pull the indicator once towards yourself.
- Get out of the vehicle and lock it.
- small lights and low light will get on automatically after 30 seconds and then will get off again.

Automatic lock:

If the theft deterrent is activated, if the "open" key is pressed on the remote control, but none of the side doors, hood door or trunk lid are opened within 12 seconds, the theft deterrent will lock all side doors, hood door and trunk lid automatically. And the antitheft system will be activated. After turning the engine on and speeding up to 10 km/hour, doors will be locked.

Note: In the event of failure of any one of the keys (side doors, trunk or hood) or shock sensor (if installed on the vehicle) corresponding entry in the active state of alarm is not checked and the situation when activating the alarm Gyraz key to activate the remote control with 4 times flasher and siren* (the distance between two consecutive) that is distinct from the normal warning is given. In this case it is necessary as soon as possible to overcome the problem by referring to the agency's action.

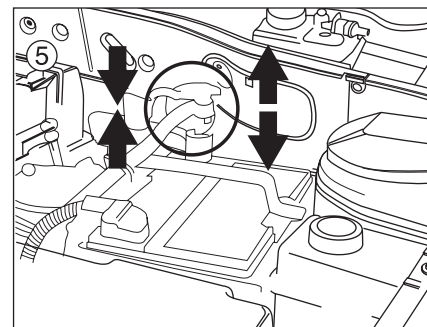
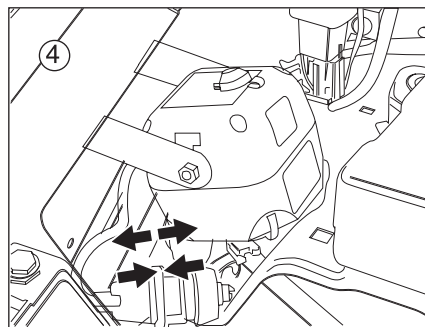
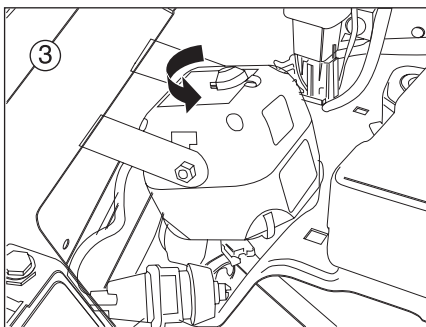
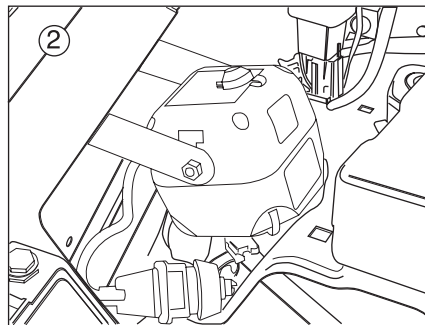
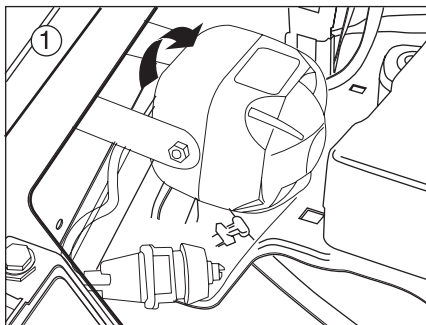
Car finder:

While the anti theft system is activated, alarming* system gets activated once and the flasher starts blinking for 15 time by pressing the close key on remote control.

Note:

- 1- Activation of alarming system, means it gets activated just for 0.020 second.
- 2- Activation of flasher, means it gets activated just for 400 milliseconds.
- 3- You can disconnect alarming system by special switch delivered to you among other keys of the vehicle.

* If equipped

**Warning**

None of battery cables should be disconnected more than 15 minutes, otherwise temporary ECU memory will be erased.

Alarm resetting

For resetting the the battery and siren connector should de disconnected and reconnected. You can disconnect the siren by the special switch that has been delivered to you Disconnect the siren connectors and unscrew battery terminal

negative cable and remove the battery cap. Then once again, first place the battery cap and tighten its screw, then set the siren connector and set the switch to on position. Now, the is reset and time adjustment should be renewed.

ALARM

2

Alarm general information

If the car speed exceeds 120 KM per hour, warning alarm is heard and beeps increases in number when the car speeds up. The alarm can be turned on / off by pressing (R ↓) button.

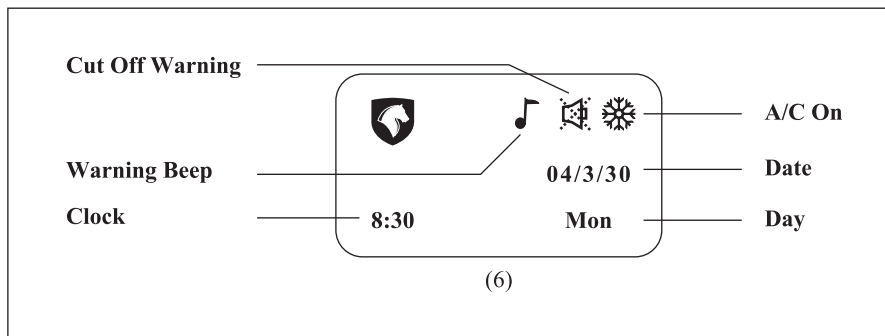
The keypad lamp and the display screen light up when main headlights are turned on.

The default display illumination intensity is 50%. Display on or display off options and the illumination intensity are memorized as default.

The clock is displayed in the main menu screen as default setting. Refer to menu 4 explanations for clock adjustments.

On the main menu press button (1 Q.O) on the keypad to unlock doors and (3 def) button to lock the doors.

This option can be used to open the doors in speeds over 20 KM /h.



Main Menu

menu details are as follows:

- 1- Distance Display
- 2- Oil Filter
- 3- Settings
 - 3.1 Temperature Adjustment
 - 3.2 Shock Sensor
 - 3.3 Code Settings
 - 3.4 Clock Adjustment
 - 3.5 Date Adjustment
 - 3.6 Contrast
 - 3.7 Language Changing
 - 3.8 Default Settings

Distance
Oil & Filter
Setting
Display

(7)

Km. Setting

Km.Used
000000

(8)

Oil	00000
Oil Filter	00000
Air Filter	00000

(9)

2

The main menu display is according to (7), we can choose one of the 3 options by pressing the **(P ↑)** or **(R ↓)** keys and entering the corresponding menu by pressing **(OK)**. On this page by pressing the **(C)** key the main menu appears. To enter adjustment menu, the **(OK)** key should be pressed for 1 second.

Distance display screen

On this screen the distance is shown in kilometers (8). Any time the **(OK)** button is pressed, the distance will be reset to 0 and it will restart from 0.

Oil filter screen

This page is divided into the kilometers adjustment page and usage.

Kilometers adjustment

When adjusting oil level, oil filter or air filter it is possible to enter the maximum amount of proper usage for oil or air filter in kilometers (9).

Are you sure?

(10)

Distance

Oil & Filter

Setting

(11)

1. Temperature

2. Sensitivity

3. Password

(12)

To change the kilometer setting, (R I) or (P I) should be pressed and then press (OK) to confirm. By pressing (OK), the message “should the adjustments be confirmed?” is displayed (10), and if (OK) key is pressed, the changes will be confirmed and if (C) key is pressed, the changes will not be considered.

Usage:

In this menu the usage of oil, filter, air filter is shown in kilometers. By pressing (C) key, this page is closed.

Driver information display menus:

There are 8 sub-menus in the warning. By pressing (OK) key on adjustments, the sub-menu is activated (11).

By pressing (R I) or (P I) buttons choose the desired menu, and then press the (OK) key (12). After termination press the (C) key to exit menu.

Temp	26 °C
Temp Set	22 °C
Off	Auto

(13)

Option Menu1:Temperature setting

“Internal Temperature” indicates the temperature level inside the car.

“Temperature Setting” indicates the level selected by the user.

This menu also enables the user to set the temperature for AC.

(R ↓) Pressing this button will decrease the temperature setting .

(P ↑) Pressing this button will increase the temperature setting.

Select “Temperature Setting” in Option Menu1.

(OK) Pressing this button allows selection of Automatic or Manual option and at the end press (C) button.

By pressing the (OK) key, you can choose the automatic or manual positions.

Default position is manual position. AC will remain on and there will be no control over the temperature. In “Automatic” mode, to “decrease” to the internal temperature set by the user, the AC will turn on and off till it maintains the selected internal cabin temperature. This (AC) can not adjust the temperature while the heating is working. The activation or deactivation of the AC is shown by on or off (13).

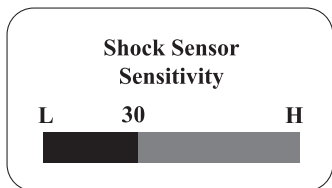
1.Temperature
2.Sensitivity
3.Password

(14)

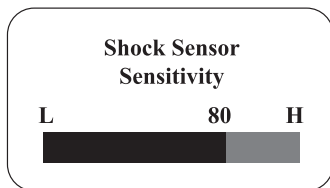
Option Menu 2: Theft-Deterrent (Shock Sensor)

(OK) Press this button to navigate to option menu 2. In this menu you can choose the sensitivity of the shock sensor (14).

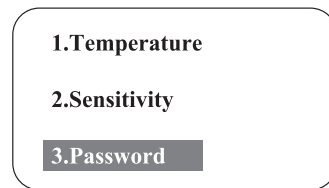
2



(15)



(16)



(17)

Shock sensor display

By pressing (R I) and (P I) buttons, the shock sensor sensitivity can be altered from 0 to 100 (15&16). When the sensitivity is 100, the theft-deterrent will be activated even by the smallest shock .

On the opposite, when the sensitivity is near to 0, the alarm will be activated only after a heavy shock and if the “shock sensors” are placed on 0, the alarm (sire) will be totally deactivated.

(c) Press this button to exit the menu.

Option menu 3: Security code setting

(ok) Press this button to navigate to Option Menu 3. This menu allows the user to (17):

- Change the 4 digit code number.
- Reset the time allowed for keying in the 4 digit code number.
- Activate or deactivate the 4 digit code number.



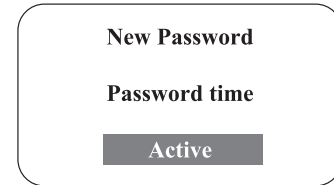
(18)

To make any changes in this menu, you must enter the correct 4 digit code number (18).



(19)

If the correct code is not entered, this message will be displayed: "Security Code is incorrect" and the menu will be closed down. After the correct code has been entered, a sub-menu will be appeared. (19) By pressing the (R ↓) and (P ↑) buttons you can move between different positions.



(20)

If the code is activated (20), you have to enter the four digit code number before starting.

If the code is not activated you do not need to enter the four digit code number before starting.

The default code is 1111 and you can change it as you wish.

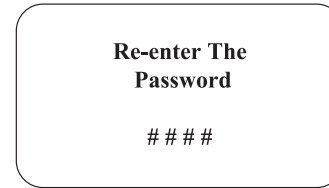
In default mode, the four digit code is deactivated. If you forget your four digit code and a problem occurs for the , you can reset the as mentioned; in this case the default codes will be1111.



(21)



(22)



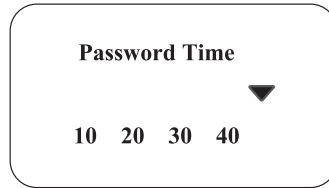
(23)

For- Digit code number changing

Pressing this button selects the option to "Change Security Code"(21).

You will then be able to enter a new 4 digit code number(22).

After entering the four digits, you will be requested to enter the new code number once more. If two digits of this entry are the same, this code number will change to become your new 4 digit code number. If digits do not match, the following message will be displayed:"The security number is incorrect" and no new security code will be set.



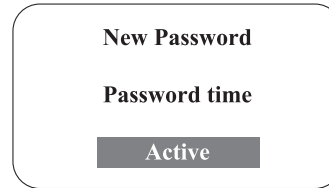
(24)

Password Time Selection

By pressing (R I) button select the "adjusting code duration" mode.

In this way you can change the duration for entering the code.

By pressing (OK) key, 4 options will be displayed on the screen for duration (24).



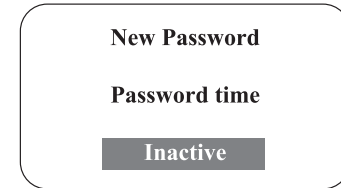
(25)

By pressing (P I) and (R I) buttons you can adjust the desired time.

By pressing (R I) button the selection sign will move to the left and by pressing (P I) button it will move to the right. By pressing (C) button this display screen will be closed.

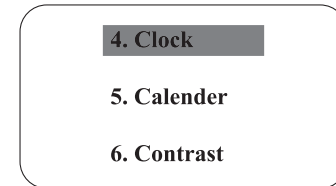
The duration for entering the code will start at the opening of doors or pressure on one of the keys.

By pressing (OK) button on "four digit code number" mode you can activate or deactivate "four digit code number" mode (25).



(26)

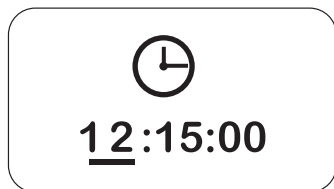
In activation mode the start will not operate until the correct code number is entered and when exiting the theft deterrent mode, the will ask for the four digit code number. By pressing (C) button exit the menu. When the code number is activated, it is not possible to open the hood without entering the code and the alarm will go on. If the code is deactivated, when exiting the anti-theft mode, there is no need to enter the code(26).



(27)

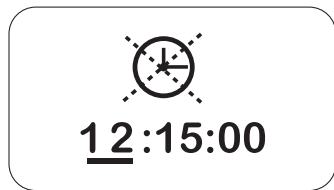
Option menu 4: Clock setting

By pressing (OK) button, enter menu 4(27).



(28)

In this mode a dark line will appear under the time digit (28).



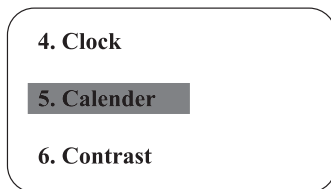
(29)

By pressing (P ↑) and (R ↓) buttons, adjust the clock digit.

By pressing (OK) button, you can move on the minute and second digits and adjust them accordingly.

By pressing (1 ON) button, you can activate or deactivate clock display on the main menu (29).

Exit menu by pressing (C) button.

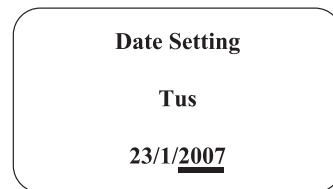


(30)

Option menu 5: Date adjustment

By pressing (OK) button enter menu 5(30).

In this menu you can choose the day, year, month and weekdays options.



(31)

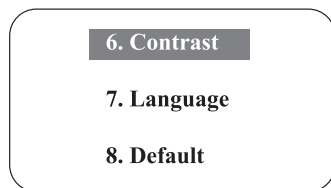
By pressing the (OK) button the dash sign will move between year, month and day (31). By pressing the (P ↑) and (R ↓) buttons, adjust the date.

If the date is adjusted, weekdays will be adjusted automatically.

The range of adjustable date is 50 years.

By pressing the (OK) button, exit menu.

Press (C) button to exit the menu.

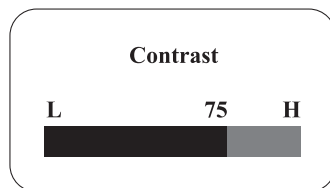


(32)

Option Menu 6: Contrast

By pressing **OK** button enter menu 6(32)
In this menu you can adjust the contrast of the display screen.

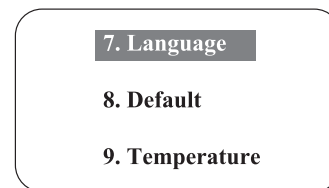
By pressing **▶** button contrast percentage goes up.



(33)

By pressing **◀** button the contrast level will decrease (33).

By pressing **C** button, exit the menu.



(34)

Option Menu 7: Change of Language

Enter menu 7 by pressing **OK** button(34).

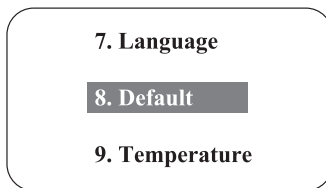


(35)

In this menu you can change the language to Farsi, Arabic, English or Russian by using **P ↑** and **R ↓** buttons (35).

By pressing **OK** button all messages, commands and voice messages will be displayed in the chosen language.

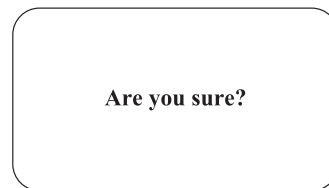
Exit menu by pressing **C** button.



(36)

Option Menu 8: Default Settings

Enter menu 8 by pressing **OK** button(36).



(37)

By selecting this option and pressing the **OK** button the message “confirm the changes” appears on the screen (37).

If **OK** button is pressed once again, the changes will be confirmed and if **C** button is pressed, changes will not be taken into account. The sensitivity of the shock sensor and the display contrast will return to default settings.

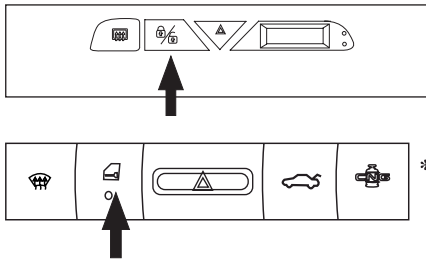
The inside temperature control will return to manual.

Theft deterrent alarm *

Arming

The theft deterrent alarm will be armed after you lock the doors using the remote controller while the ignition key is in initial mode and all vehicle's doors (including engine hood and trunk lid) are closed. When theft deterrent alarm is armed, the turn signal lights blinks and one alarm* is heard.

Central lock key light on the instrument panel start blinking when the theft Deterrent Alarm is armed.



Once the is armed, occurrence of any of the followings will cause the alarm to be triggered (turn signal lights and alarm come on):

- Opening of any doors (including engine hood and trunk lid)
 - Unlocking of front doors by key
 - Changing the position of the starter switch
- Alarm will continue for 30 seconds. Then the alarm is stopped for 5 seconds. Should the cause of the alarm situation is eliminated, the turn signal lights and alarm* go out and otherwise the alarm will continue.
- This cycle goes on with 10 times, then the turn signal lights and alarm* goes out, but the theft deterrent alarm stays armed.

Disarming theft deterrent alarm

When the anti theft alarm is activated; doors will be opened and the theft deterrent alarm will be disarmed, just by pressing the unlock key on the remote control. Driver will be aware of this function while the indicator lamps are being turned off and on twice.

We can Inactivate the anti theft alarm by the ignition switch (and not necessarily by remote controller) while we're locking the

doors.
This approach is suitable for those vehicles in which the horn is used for anti theft alarm; specially when the vehicle is parked in a safe place for a long period of time and there is worries of unnecessary hearing the noise of alarm (Horn sound).

Dome light

- 1-The dome light comes on when one of the vehicle's doors (including side doors and trunk lid and engine hood) are opened, while the engine is off.
- 2-Dome light comes on by pushing the unlock key, while the theft deterrent alarm is armed.
- 3-In case the dome light is on and all doors are closed:
 - After 12 seconds
 - Upon pushing lock key
 - Auto-lock key
 - Starter switch changes to 1 position or higher, and then after 4 seconds the dome light fades out.

* If equipped

THEFT DETERENT ALARM

2

4- If any of the vehicle's doors (such as trunk lid and engine hood) are open at the time of driving, roof light blinks and informs the driver.

Notice

-In Case even one of the doors to is open, theft deterrent alarm will not be armed. This situation is indicated by four time blinking of the turning lights and 4 continuous alarms. *

-When theft deterrent alarm is armed, it the trunk lid unlock by remote control, you may open the trunk lid, take something from it or put something in it and then close trunk lid within 30 seconds. If it takes more than 30 seconds, theft deterrent alarm starts alarming.

-When theft deterrent alarm is triggered, you may stop direction lights and alarm by pushing any of the lock or unlock keys on the remote control, but this does not open the vehicle's doors and/ or disarming theft deterrent alarm.

* If equipped



Caution

- Avoid parking your car in unattended on- street parking spaces.
- Avoid parking in dark places.
- Never leave the car's documents or spare keys in your vehicle.
- Park in your garage if you have one, and take the switch with you.

Safety tips for preventing vehicle theft

Always follow the tips mentioned here when you are leaving the vehicle even if for a few minutes:

- 1- Close all windows completely.
- 2- Take your valuable objects with you or hide them in the trunk.
- 3- Do not leave your keys.
- 4- Lock the steering wheel (when the car is not running, the steering wheel could be easily locked by a little turn)
- 5- Lock all the doors.

In addition you can think of other ways to minimize the risk of car theft.

CNG FUELING SYSTEM

2

CNG system:

Engine compartment overview *

1. Regulator: Reduces the gas pressure from a maximum of 200 bar to 7bar.

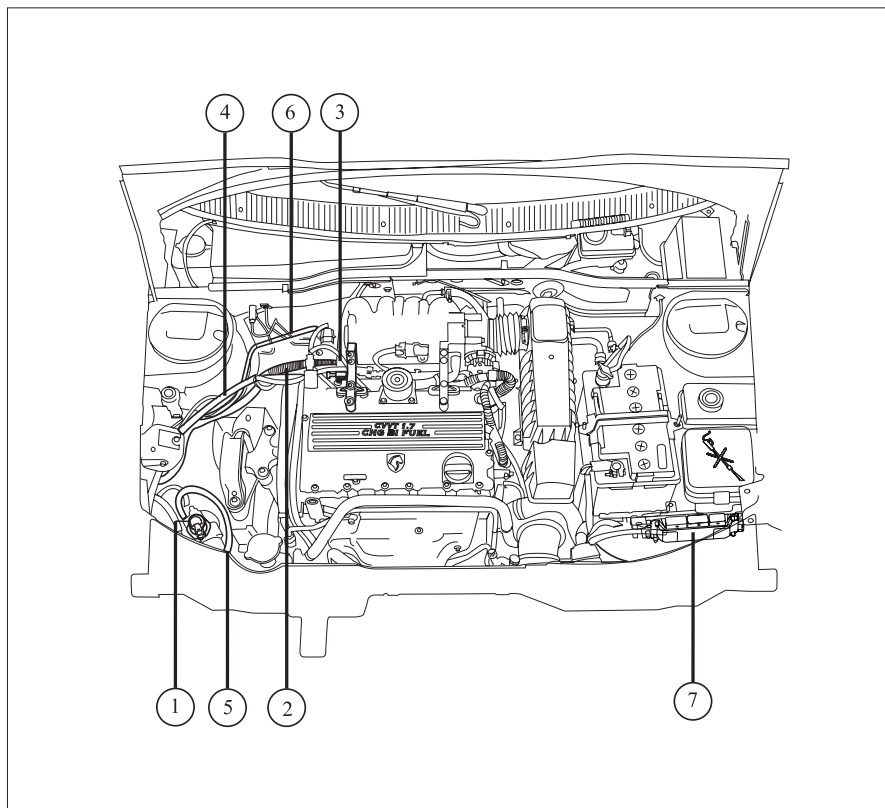
2. Hose (transferring gas to fuel rail): Transfers the reduced pressure gas from the regulator to the fuel rail.

3. Fuel Rail: Gas entering the manifold passes through the fuel rail, and enters the manifold when the gas injectors open in the indicated times.

4 & 5. Input/ Output Hot Water Hoses (Regulator): Transfers the heater water to the regulator to warm up and to prevent the regulator from freezing when operating on gas mode.

6. High Pressure Gas pipe: Transfer gas from gas trunk to regulator.

7. Electrical Control Unit (ECU): Adjusts the moment and time length of injector sprinkling and the timing of sparking in different engine conditions.



*Engine Volume = 1700 cc gas

Engine type = EF7

* If equipped

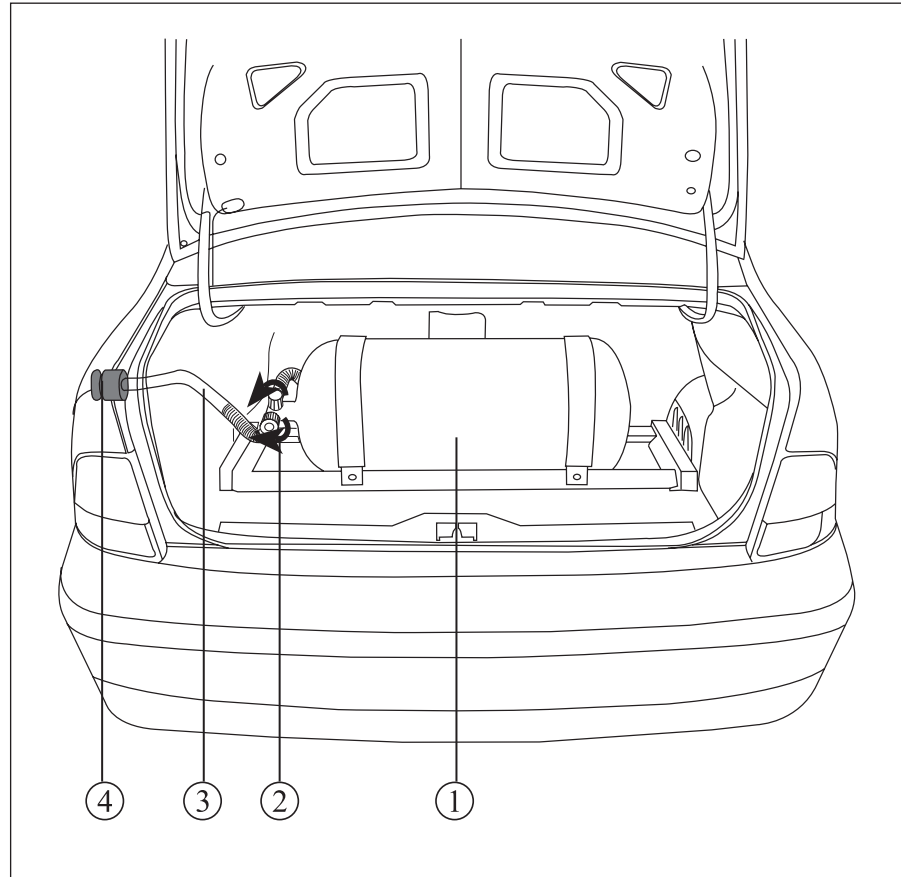
CNG Spare Parts Deployed in the Luggage Box*

1. Tank (Tanks): CNG is contained by 200 bar pressure at highest.

2. Tank Valve: Limits and opens the gas passage at the end of the tank, and includes equipment which evacuate the gas tank when gas pressure and temperature exceeds the standard limit. If the pipes are cut, it limits the gas escape from the tank.

3. Pipes & Gas Ventilation System: Ventilation system transfer the gas outside the trunk if any leakages happen in connections.

4. Filler: It is a part installed on the automobile for fueling the gas tank and it is connected to the fuel nozzle in the gas station.



3 DRIVING

DIGITAL INSTRUMENT PANEL	78-86	CNG FUELING STEPS*	98
AUDIO ALARMING ON INSTRUMENT PANEL*	80	LAMPS / INDICATORS	99
CRUISE CONTROL*	85	HORN	99
STARTING & DRIVING	90	WINDSCREEN WASHER & WIPER	101
MANUAL GEARBOX	91	BRAKES	102
FUEL ECONOMY & ENVIRONMENT	92	ANTI-LOCK BRAKING (ABS)	103
STARTING & DRIVING (CNG MODE)*	93	AIR BAG*	105
REVERSING GEAR ALARMING*	96	PASSENGER AIR BAG	107
FUEL	97		

* If equipped

INSTRUMENT PANEL

Fuel gauge

The pointer falls to zero when the ignition switch is off, but it shows the tank fuel level when the switch gets on.

A warning indicator light in the fuel gauge lights up when the fuel level falls to 7 liters.

Refuel as soon as possible. Fuel tank capacity is 66 liters.

Tachometer

It shows the engine speed in revolutions per minute. To avoid engine damage, never let the tachometer pointer remain in red section for a long time.

Speedometer

It shows the speed of vehicle in Km/h.

Coolant temperature gauge

This gauge indicates the temperature of the engine coolant, When the engine warms up, the pointer rises to the middle of the gauge, and it remains until the engine operates in normal condition.

If the pointer reaches the red section, it shows that coolant is overheated causing damage to the engine. In this situation stop

the vehicle immediately considering safety conditions and seek help from qualified persons to repair.

Possible causes

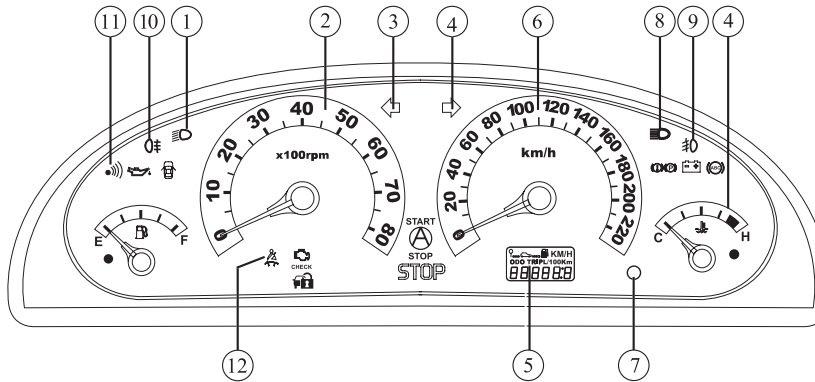
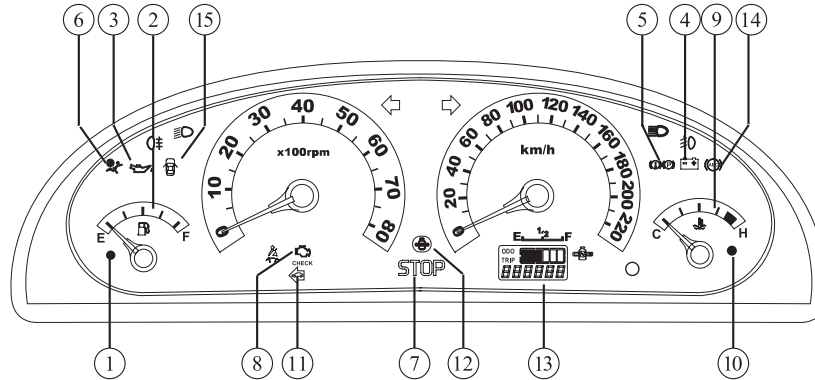
- A faulty fan- Check fuses, and change them if necessary.

-The coolant system leakage; let the engine cool down, and then check the coolant liquid level.

-A fault in the water pump operation

Distance recorder reset button (Trip recorder reset button)

It is used to show different situations in the digital display panel and reset information in the related condition.



Instrument panel (1)

Warning Lamps/Signals Above picture :

- 1- Low Fuel Level + Warning
- 2- Fuel Gauge
- 3- Immobilizer light
- 4- CNG Fueling indicator*
- 5- Cruise Control indicator*
- 6- Head lamp dipped light
- 7- Head lamp beam light
- 8- Diagnostic warning lamp
- 9- Indicator of Cooling system liquid temperature
- 10- High Coolant Temperature

Instrument Panel (2)

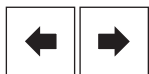
Warning Lamps/Instruments Below picture:

- 1- Air bag deactivation warning lamp
- 2- Tachometer
- 3- Left Indicator
- 4- Right Indicator
- 5- CNG reservoir pressure indicator
- 6- Speedometer
- 7- Trip Recorder Zero Reset
- 8- Instrument panel adjuster ley
- 9- Periodic service warning lamp
- 10- Rear Fog Lamps
- 11- Fueling direction indicator
- 12- 12- ABS indicator
- 13- ABS- EBD system warning
- 14- Air bag malfunctioning warning lamp

* If your vehicle is equipped

INDICATORS OF THE INSTRUMENT PANEL

3



Direction indicators - green

The directions of indicators (turning to the right and turning to the left) are defined by arrows. When you turn on the left or right signals, the corresponding green arrow on the instrument panel will flash along with the respective turn signal lights.

If the flasher (hazard warning light) is used, both indicators flash together. If either warning light flashes very rapidly, this means that the corresponding direction indicator is not operating.

Notice: This situation occurs only when one of the front or rear direction lights does not work properly, but if one of the side lights is not working, it will have no effect on the warning light flash frequency. When you turn on the direction lights, lights on folding mirrors will flash simultaneously with related flasher*.

Important note: If the vehicle experiences an excessive speed fall, the alarm system automatically turns on the flasher for 10 seconds.

This is a warning sign for excessive speed fall.

* If equipped



Headlamp dipped beam - Green

It lights up when using dipped (dimmed) headlights



Headlamp main beam – Blue

It lights up when using main-beam headlights



Front fog lamp – Green*

It lights up when using front fog lights.



Rear fog lamp – Orange

It lights up when using rear fog lights.



Low fuel level warning

Next to the fuel gauge there is a warning light, when the light is on it shows that less than 7 liters of fuel remains in the fuel tank. Refuel as soon as possible.



Theft deterrent - red

It indicates that the theft deterrent system is activated when blinking.



Engine diagnostic function – Orange

This warning light comes on when the engine performance tester finds any problem in the engine. When the starter

switch is in second (ON) position, this light comes on to indicate it is testing performance of the engine and goes out after engine being started. Should any problem arise in engine during driving this light comes on again.

Note:

- If the warning light comes on but the vehicle functions are normal, you may continue driving but should refer to an authorized dealer.

- If the warning light comes on and the vehicle functions are not normal, you may not drive high speed and should refer to an authorized dealer immediately.

- If the warning light blinks, it means there is a problem in the ignition system. In this case Make the engine to work in low RPM and refer to the authorized dealer of IKCO as soon as possible.*



High coolant temperature warning – red

This indicator is next to thermometer. When the thermometer is on red position, the indicator is on.

When the indicator is on stop immediately (engine on) and refer to an authenticated dealer. In the case of high temperature, (STOP) indicator on.



Engine oil level warning light - red

When the starter switch is in second position, the light comes on briefly, so you can check that the light is working. When the engine is started, the indicator goes out. In case engine oil level warning light stays on and/or comes on during vehicle function, it indicates the engine is in critical situation, oil pressure is not enough and/or it is low in lubricating system. **Stop immediately**, while observing all safety precautions, and switch engine off. Consult with authorized dealer before running the vehicle again.



Cruise-control - Orange*

By turning on or off, this indicator shows activation or deactivation of the cruise-control.



Battery charge warning light – red

When the starter switch is in second position, the light comes on briefly, so you can check that the light is working. When the engine is started, the indicator goes out. Should it remains on after starting

engine or comes on during driving; there may be a problem in the battery charge system. Refer to authorized dealer as soon as possible.

Following situations causes this warning comes on:

- Fault in battery charge system
- Fault in battery or its terminals
- Fault in alternator
- Fault in alternator's wires



Brake Alarm – Red

This indicator is turned on for a few seconds while starting the engine and then it turns off, and it turns on when the hand brake slides up or when the brake fluid level is low. If the indicator of brake system alarm doesn't work or remains on while starting the vehicle or after sliding down of hand brake, without delay fill the brake liquid reservoir and if the indicator remains on after filling the reservoir and sliding down of the hand brake, while considering safety precautions, transfer the vehicle to an authorized workshop for evaluation and repair.



Driver Safety Belt – Red

By locking of the metal tongue of the driver safety belt in the special buckle

and with a “click”, we make sure of its locking. With this action the indicator on the panel is turned off.

If the seat belt is not fastened, this light gets on along with audio alarming for one minute the warning light is displayed only. The audio alarming will be heard again, when the speed of vehicle exceeds 20 km/h.



Anti – Lock Brake System Warning (ABS) – Orange

It lights up when starting the car and keeps on for a few seconds, and then it turns off. If it does not turn on when starting the engine or stays on after the engine starts running, it indicates that there is a problem in the anti-lock brake system and or EBD. In such a condition move the car immediately and with safety considerations to the authorized workshop for inspection and repair.

* If equipped

INDICATORS OF THE INSTRUMENT PANEL

3

STOP

Instant stop warning

Should this indicator lights on, stop immediately and switch off the engine. Contact with dealer or authorized representative. The indicator light also comes on to warn the engine oil pressure and battery charge.

The indicator may also gets on to warn the engine oil level is low or the engine coolant temperature high

Warning



If the **STOP** light comes on for any reason, driver should stop the vehicle. In case he continues driving, vehicle owner will be responsible for any resulted damages.



Warning of driver air bag defect – orange

The indicator comes on when you start the vehicle and blinks on for 6 times and then should go out. In Case this light stays on, it indicates there is a fault in driver air bag system. You should refer to authorized dealer as soon as possible, or all responsibilities rest on owner.



CNG fuel position indicator – Green*

The indicator turns on when CNG fuel position activated.

If fuel consumption changes from gasoline to CNG the indicator blinks.

Note

If CNG indicator is blinking continually and gasoline mode is not converted to gas even after warming up the engine; then there is a fault in one part of CNG system and should contact to an authenticated dealer. (for details, refer to Starting and Driving - CNG)



Doors open- Red

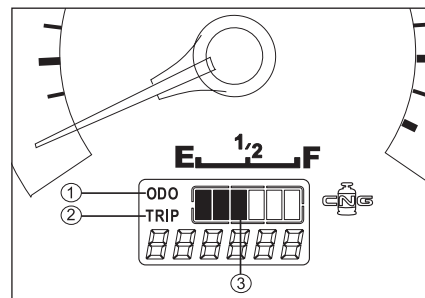
This indicator shows that at least one of the doors is opened. The indicator operates even the engine off. Avoid driving when the indicator on.



Driver safety belt - Red

By locking of the metal tongue of the driver safety belt in the special buckle and with a “click”, we make sure of its locking. With this action the indicator on the panel is turned off.

* If equipped



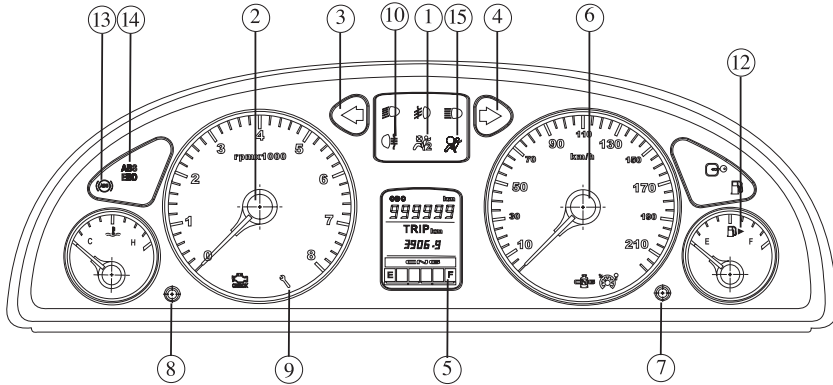
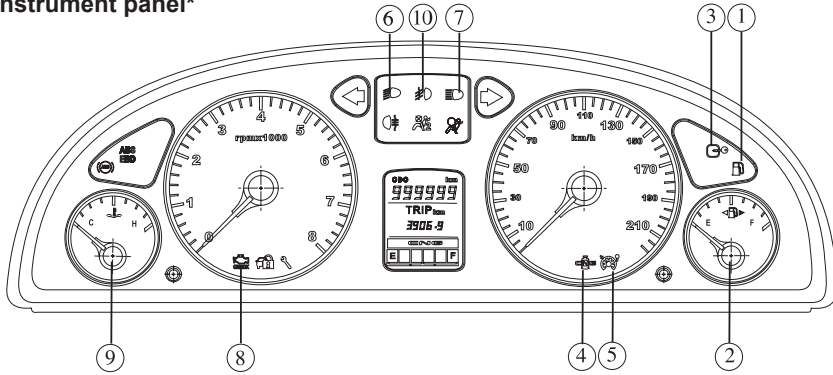
Digital display screen guide

1- When the ignition switch is turned to “ON” the display shows odometer. odometer records the total distance (km) the vehicle has been driven since being delivered to the owner. The trip meter could not be reset to zero (if it has been set on this situation, otherwise it could be observed when the ignition switch is in “OFF” position).

2- Trip meter indicates the distance (km) the vehicle has been driven since it has been reset to zero. Push reset button for 2 second to reset the distance to zero.

3- This indicates the pressure of the gas in the LCD and is made of 6 black stripes. When gas pressure is full the 6 stripes are active and by decreasing the gas pressure the number of these stripes decreases. Gas tank insufficient pressure warning is indicated by the flashing of the first stripes in LCD. When the gas pressure become zero the last stripes goes off.*

Instrument panel*



Instrument panel (1)

Warning and alarm lights

- 1- Low fuel warning light
- 2- Fuel level indicator
- 3- Immobilizer system light
- 4- Activation of CNG fuel system indicator*
- 5- Cruise control indicator light*
- 6- Low beam
- 7- Head lamp main beam.
- 8- Malfunction warning light
- 9- Engine coolant temperature indicator light
- 10- Front fog light

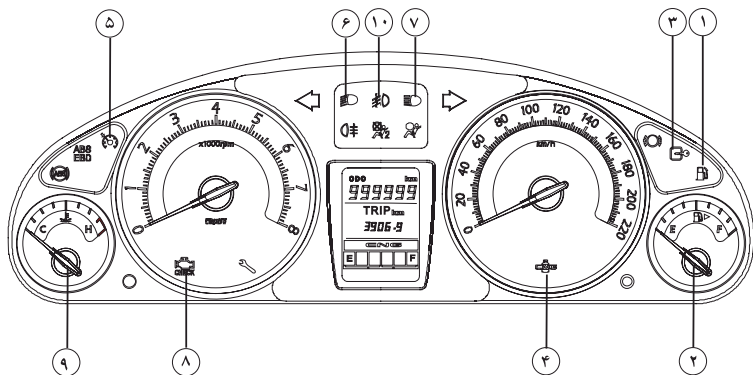
Indicators and gauges lights (2)

- 1- Air bag deactivation warning light* (front passenger)
- 2- Tachometer
- 3- Left turn signal light
- 4- Right turn signal light
- 5- CNG pressure indicator*
- 6- Speedometer
- 7- Change mode and reset key
- 8- Turning knob for setting the instrument panel
- 9- Periodical maintenance warning light
- 10- Rear fog light
- 11- Fueling indicator
- 12- ABS brake indicator
- 13- Driver air bag fault warning light

* If equipped

INDICATORS OF INSTRUMENT PANEL *

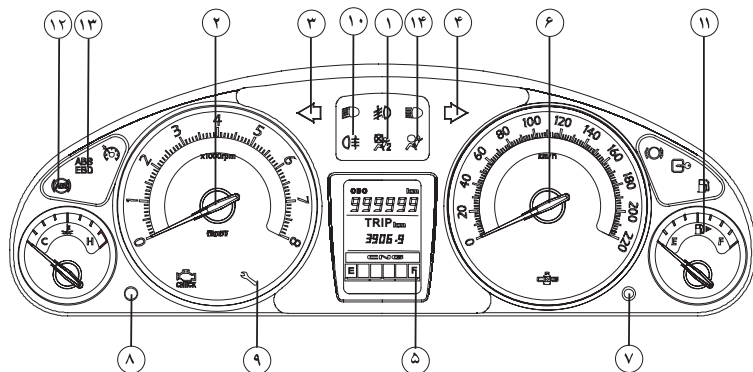
Instrument Panel *



Instrument panel indicators

Warning and indicator lights (above figure)

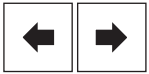
- 1- Low fuel warning light
- 2- Fuel gauge
- 3- Immobilizer Indicator
- 4- CNG Fueling Indicator*
- 5- Intelligent speed control system indicator*
- 6- Head lamp dipped light
- 7- Head lamp beam light
- 8- Diagnostic warning lamp
- 9- Indicator of cooling system liquid temperature
- 10- Front fog lamp



Indicator lights and gages (below figure)

- 1- Front passenger air bag system deactivation warning light
- 2- Tachometer
- 3- Left side flasher
- 4- Right side flasher
- 5- CNG fuel indicator*
- 6- Speedometer
- 7- Trip Recorder Zero Reset
- 8- Instrument panel adjustor button
- 9- Periodic service warning lamp
- 10- Rear Fog Lamp
- 11- Fueling direction indicator
- 12- ABS braking system warning
- 13- ABS and EBD braking system indicator
- 14- Driver air bag malfunctioning warning lamp

* If equipped



Direction indicators - green

The directions of indicators (turning to the right and turning to the left) are defined by arrows. When you turn on the left or right signals, the corresponding green arrow on the instrument panel will flash along with the respective turn signal lights.

If the flasher (hazard warning light) is used, both indicators flash together. At the time of activation of direction lights. If either warning light flashes very rapidly, this means that the corresponding direction indicator is not operating.

Notice: This situation occurs only when one of the front or rear direction lights does not work properly, but if one of the side lights is not working, it will have no effect on the warning light flash frequency. When you turn on the direction lights, lights on folding mirrors will flash simultaneously with relevant flasher*.

⚠ Important note: If the vehicle experiences an excessive speed fall, the alarm system automatically turns on the flasher for 10 seconds.

This is a warning sign for excessive speed fall.

* If equipped



Headlamp dipped beam - Green

It lights up when using dipped (dimmed) headlights



Headlamp main beam – Blue

It lights up when using main-beam headlights



Front fog lamp – Green

It lights up when using front fog lights.



Rear fog lamp – Orange

It lights up when using rear fog lights.



Low fuel level warning - Red

This light indicates that remaining fuel in the tank is less than 8 liters. Refuel as soon as possible. This indicator starts blinking when the fuel is less than 3 liters.



Engine performance tester – Orange

This warning light comes on when the engine performance tester finds any problem in the engine. When the starter switch is in second (ON) position, this light comes on to indicate it is testing performance of the engine and goes out after engine being started. Should any problem arise in engine during driving this light comes on again.

Note:

-If the warning light comes on but the vehicle functions are normal, you may continue driving but should refer to an authorized dealer.

-If the warning light comes on and the vehicle functions are not normal, you may not drive high speed and should refer to an authorized dealer immediately.

-If the warning light blinks, it means there is a problem in the spark system; and the engine must be worked in a low RPM and taken to authorized representative of IKCO soon.

INSTRUMENT PANEL DISPLAY INDICATORS*

3



ABS EBD Anti-Lock Brake System Warning (ABS) – Orange

It lights up when starting the car and keeps on for a few seconds, and then it turns off. If it does not turn on when starting the engine or stays on after the engine starts running, it indicates that there is a problem in the anti-lock brake system and or EBD. In such a condition move the car immediately and with safety considerations to the authorized workshop for inspection and repair.



Warning of deactivity of the Passenger air bag – orange

If this light comes on it indicate the passenger air bag is deactive. As long as the passenger airbag is deactive, the light ins lit. In case the blinking warning light comes on, you should contact with one of the authorized Iran Khodro dealer.



Warning of driver air bag defect – orange

The indicator comes on when you start the vehicle and blinks on for 6 times and then should go out. In Case this light stays on, it indicates there is a fault in driver air bag system. You should refer to authorized dealer as soon as possible, or all responsibilities rest on owner.



Cruise control - Orange*

By turning on or off, this indicator shows activation or deactivation of the cruise-control.



Immobilizer light – Orange

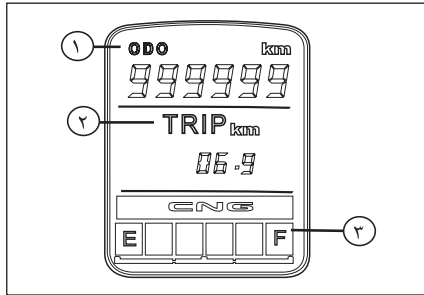
Blinking these lights every 4 seconds once after turning off the car, means that the immobilizer system is active.



Service warning light–Orange

When this light comes on it means there is a fault in one of the vehicle's system or periodic maintenance is due. When the light on, refer to the nearest center of after sale services.

* If equipped



Digital display screen guide*



1-When the ignition switch is turned to “ON” the display shows odometer. Odometer records the total distance (km) the vehicle has been driven since being delivered to the owner. The trip meter could not be reset to zero (if it has been set on this situation, otherwise it could be observed when the ignition switch is in “OFF” position).



2-Trip meter indicates the distance (km) the vehicle has been driven since it has been reset to zero. Push reset button for 2 second to reset the distance to zero.

* If equipped



3-This indicates the pressure of the gas in the LCD and is made of 6 black stripes. When gas pressure is full the 6 stripes are active and by decreasing the gas pressure the number of these stripes decreases. Gas tank insufficient pressure warning is indicated by the flashing of the first stripes in LCD. When the gas pressure become zero the last stripes goes off.*



Clock, Date, Outside temperature

Clock could be set from 0:00 to 23:59 with one minute accuracy. Calendar could be set from 1380 to 1499 with one day accuracy. Leap years are not anticipated in the calendar. Temperature display limit is from -40 to +80°C



Average speed

This is the average speed calculated since the computer was last set to zero. This could be reset to zero by pushing the reset button.



Intensity of the Instrument Panel illumination

Small lamps illuminate the instrument Panel. (You can adjust the intensity of the instrument Panel by rotary button.)



Periodic maintenance

Push the left button (rotary button) for 1 second to set the kilometer figure for changing engine oil, oil filter and air filter of the vehicle. After one minute you will see the adjusting menu. Select the pertinent option by turning the button and then hold the button for 2 second in order the pre-determined figures to be displayed. Select the intended figure by turning the rotary button. Maintenance kilometer figure will be the difference of the kilometer at time of setting and the traveled distance after setting, which has 1 kilometer accuracy. Maintenance light comes on when it is due for maintenance.



Vehicle’s main lamps fault warning light

This warning light comes on display when there is a fault with one of the front or rear lamps.



Instant stop warning

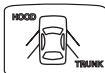
Should this indicator lights on, stop immediately and switch off the engine. Contact with dealer or authorized representative. The indicator light also comes on to warn the engine oil pressure and battery charge.

The indicator may also gets on to warn the engine oil level is low or the engine coolant temperature high



Warning

If the **STOP** light comes on for any reason, driver should stop the vehicle. In case he continues driving, vehicle owner will be responsible for any resulted damages.



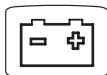
Doors Open- Red

This indicator shows which one of the 6 doors (including the side doors, bonnet, boot etc.) are open.



High coolant temperature warning

When the indicator on, stop immediately (engine on) and refer to an authenticated dealer. In the case of high temperature, (STOP) indicator on.



Battery charge warning light

When the starter switch is in second position, the light comes on briefly, so you can check that the light is working. When the engine is started, the indicator goes out. Should it remains on after starting engine or comes on during driving; there may be a problem in the battery charge system. Refer to authorized dealer as soon as possible.

Following situations causes this warning comes on:

- Fault in battery charge system
- Fault in battery or its terminals
- Fault in alternator
- Fault in alternator's wires



Driver Safety Belt

By locking of the metal tongue of the driver safety belt in the special buckle and with a "click", we make sure of its locking. With this action the indicator on the panel is turned off.

If the seat belt is not fastened, this light gets on along with audio alarming for 1 minute, then after one minute, the warning light is displayed only.



Brake Alarm

This indicator is turned on for a few seconds while starting the engine and then it turns off, and it turns on when the hand brake slides up or when the brake fluid level is low. If the indicator of brake system alarm doesn't work or remains on while starting the vehicle or after sliding down of hand brake, without delay fill the brake liquid reservoir and if the indicator remains on after filling the reservoir and sliding down of the hand brake, while considering safety precautions, transfer the vehicle to an authorized workshop for evaluation and repair.



Engine oil level warning light

When the starter switch is in second position, the light comes on briefly, so you can check that the light is working. When the engine is started, the indicator goes out. In case engine oil level warning lights stays on and/or comes on during vehicle function, it indicates the engine is in critical situation, oil pressure is not enough and/or it is low in lubricating system. Stop immediately, while observing all safety precautions, and switch engine off. Consult with authorized dealer before running the vehicle again.

INSTRUMENT PANEL AUDIO WARNING SIGNALS*

Prioritizing of the instrument panel Audio warning signals				
Type of Audio warning signal	Description of function	Priority	Audio Warning signal	Starting switch
Continuous warning signal	When parking lights are on and driver's door is open	1	Lights audible warning	Ignition off
Continuous warning signal	Speed is more than 10Km/h and one of six doors is open	1	Open door warning	
3 sec.	Speed above 120 Km/h	2	High speed warning signal	Steps 2 & 3
1 sec.	Speed above 5Km/h and seat belt is not worn	3	Seat belt warning signal	
3 sec.	Low fuel warning with audible signal	4	Low fuel warning signal	
3 sec.	High temperature of the engine warning lights together with audible signal	5	Engine high temperature warning signal	
3 sec.	Low fuel warning light together with audible signal	6	Low CNG gas pressure warning signal	
Together with flashers	When one of the turn indicators or flasher is activated, the audible signal is heard	7	Flashers warning signal	All situations
The defect of one of the indicator lights	When one of the damaged indicator lights is activating, that indicator light on the front amp is activated with the twice frequency.	8	-----	Steps 1,2,3
Coordinating with blinking of the central lock key	Audio warning activating automatic locking of doors at speeds of up to 10 km / h by the central lock.	9	Acoustic alert activating automatic locking	Steps 1, 2

3

PRIORITY OF THE INSTRUMENT PANEL WARNINGS			
Priority	WARNING	Priority	WARNING
1	Stop	5	Open door
2	Temperature	6	Battery
3	Oil pressure	7	Seat belt
4	Brake	8	Lamp fault

* If equipped

STARTING / DRIVING

3

Starting the engine

1- Check that the hand brake is pulled, and the gearbox is in neutral position.

2- Switch off all unnecessary electrical equipment (including the air conditioner)

3- Turn the ignition key to the third position, and release the key immediately when the engine starts.

Do not press the accelerator pedal while starting, and do not keep on starting more than 15 seconds each time. If the engine does not start, wait 10 minutes, and then restart.

When the engine does not start, or does not continue running.

- Press the accelerator half way down while switching on. Do not keep on switching over 15 seconds, and release the switch as soon as the engine starts.

- If the engine fails to start, press the accelerator fully and repeat the starting sequence so that the engine is freed from residual gasoline, the switching should not take longer than 15 seconds, release the accelerator as soon as the engine starts.

- Do not press or release the accelerator while starting.

Cold weather

In temperatures less than -10°C, the car needs more time to start. Since the start has to work longer, turn off all unnecessary electric devices when starting.

Warming up the engine

For economizing in fuel consumption, move the car immediately after starting, but remember that pressing heavily on the gas pedal and forcing the engine before warming time is up can hurt the engine.

Parking the car

Always pull the hand brake and neutralize the gear after parking and before releasing the brake pedal and turning off the engine.

Breaking-in

The engine, gear box, brakes, and tires need time to get adapted for normal driving. During the first 1000kms, it is necessary to drive with precaution and to follow the directions as stated below:

-Do not let the engine speed to exceed 3000 revolutions per minute on any gear level.

- Do not push the gas pedal until the end at any speed.

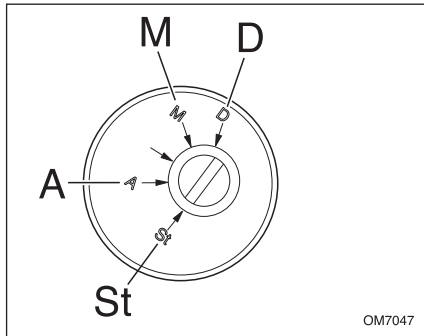
- Do not force the engine at any gear level

- If possible do not force the brakes excessively After breaking-in distance is covered you will be able to use higher engine speeds gradually.



Warning

Do not park your vehicle when working, in places where there is chance of contact with inflammable material and stuff (such as grass, leaves and...).



Unlocking the steering wheel

Turn the switch after inserting with a gently movement of the steering wheel. Put it in the first position to unlock the steering wheel.

Locking the Steering Lock

After you removed the switch, turn the wheel toward the curb, and turn it to lock the wheel switch starter.

Start switch

Position St

- The switch can be removed
- The steering wheel is locked
- Most lighting is opera tableside lights, headlights and flasher.

Position A

- The steering wheel is unlocked.
- Some electrical accessories and equipment operate.

Position M

All equipment, warning lights and electrical circuits operate.

Position D

- The engine is switched, and releases the switch immediately after the engine runs. The switch automatically returns to the second position.

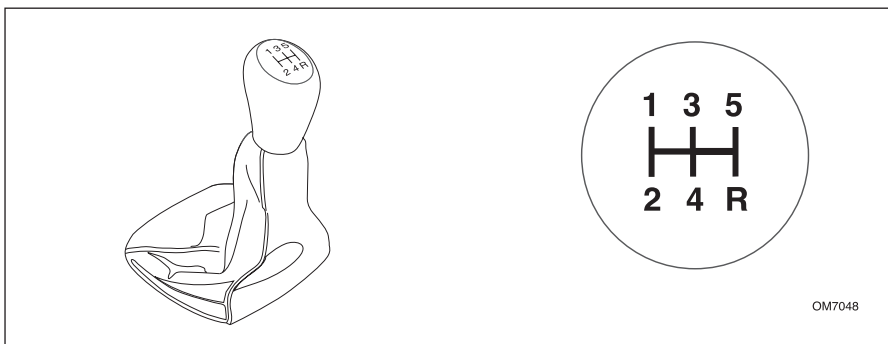


Warning

- When the car is moving do not turn off the engine or remove the key, since the steering wheel gets locked and the control of the car will be impossible.
- Avoid starting and runing the engine in confined spaces for too long.

MANUAL GEARBOX

3



Gear positions

The gear positions are indicated on the gear lever knob.

The gearbox is equipped with synchronization in all gears (even reverse gear).

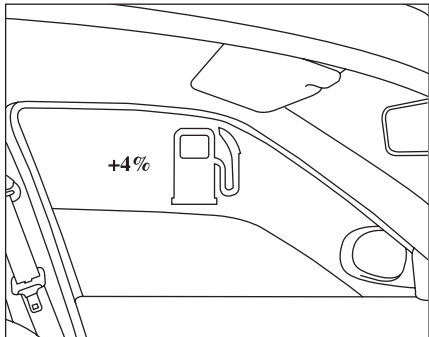
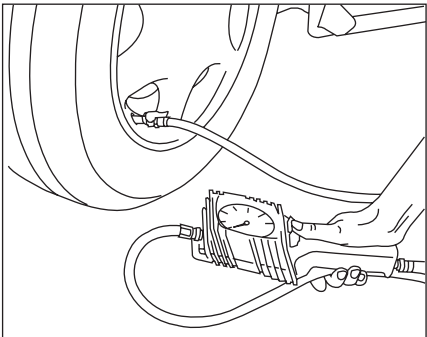
Precautions while driving

- Do not use the gear lever as a hand rest. It may cause a Premature wear out in the gear selecting mechanism.
- Do not rest your foot on the clutch pedal

while driving. It results in a premature wear out of the clutch system.

- Do not use half-clutch to hold the car still on steep roads. It wears the clutch. Always use the hand brake.
- Do not drive on heavy gears more than needed.

Driving on heavy gears increases fuel consumption and sound volume .Lighten the gear as soon as possible to avoid damaging the engine.



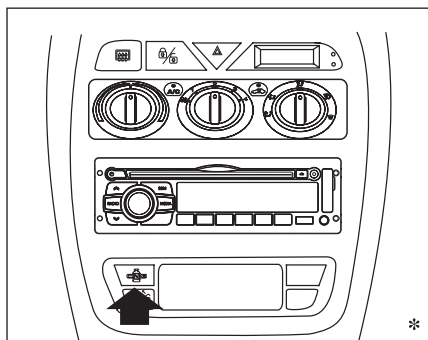
Fuel economy

You can reduce environmental pollution and drive more safely and economically by observing following advices:

- Use the factory recommended gasoline and engine oil.
- Prevent gasoline overflow while filling the tank.
- Do not forget to conduct periodic checks on your vehicle
- Check that the exhaust, oil and fuel system do not have any leakage.
- Begin driving slowly and right after turning on the engine.
- Turn off the engine for stops longer than 2 minutes (i.e in traffic jam or behind red light)
- Press the gas pedal slowly and do not speed up suddenly. Try to keep a steady speed to reduce not only exhaust pollutants, but to prevent mechanical parts erosion.
- Pay attention to the maximum allowed speed.
- Adjust tires pressure and balance them if necessary.
- Minimize using the air conditioner to reduce fuel consumption.
- If you changed the engine oil by yourself, do not drain the used oil and deliver it to the refill oil stations for recycling.
- Plan your trips, and combine them together.
- Avoid driving in busy streets or rush hours as much as possible.
- Use electronic equipment when strictly necessary.
- Under- inflated or non- standard tires raise fuel consumption.
- Avoid driving with open windows; it is preferable to use the ventilation (it raises at least 4% to fuel consumption).
- Avoid mounting unloaded rack on the vehicle.
- Factory unapproved tires can cause increase of mileage.
- Less inflated tires can cause increase of mileage.

STARTING / DRIVING (CNG MODE)

3



Starting & driving on CNG mode*

Changing the type of fuel is done by the fuel conversion key located on the front console and you can choose the type of fuel as follows:

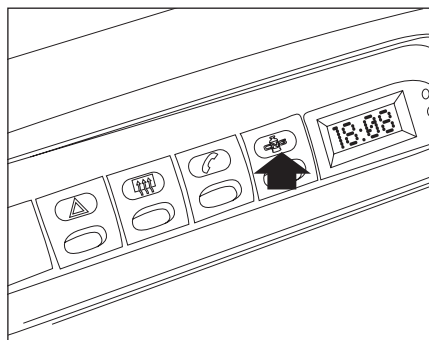
- A. Before moving (at first the car will start on gasoline then it will switch to gas)
- B. During driving
- C. Starting the car directly on gas mode**



Warning

While your vehicle engine is running, never park your vehicle in a location where there are inflammable objects and materials in the vicinity of hot exhaust pipe like dry hay or leaves.

* If equipped



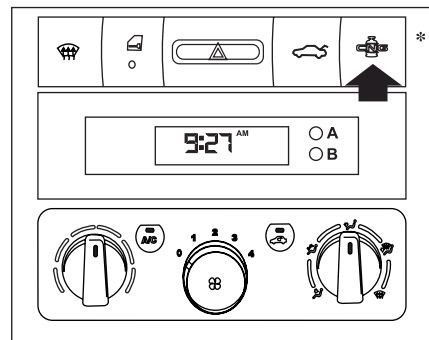
Fuel Conversion Key*

The fuel conversion key is on the front console next to the digital clock and it is used from switch from gasoline to gas and vice versa mode.


By pressing the related key, the fuel type can be changed.

Starting the engine*

The engine starts on gasoline mode. Since gasoline pump is turned on, even when the car runs on gas, and also to cool fuel injectors, it is necessary to have at least 5 liters of gasoline in the fuel tank. In the case of any damage to gasoline system, the engine finally starts on gas mode.



Starting the Engine on CNG Mode*

To remind you, this method is used only for special situations like gasoline shortage. First turn the switch on, and then press the conversion key for 5 seconds before starting till the gas warning light  appears on the instrument panel. Then start. If there is no technical malfunction in the gas system, the engine will start on CNG.



Caution**

This mode should only be used in case of emergency such as gasoline shortage. In normal conditions, due to the possible damage to gas fueled components, this method is not advised.

Conversion from Gasoline to Gas*

While the engine is operating on the gasoline mode, by pressing and releasing of fuel conversion button, the corresponding indicator on the instrument panel LED will start blinking which denotes that the fuel conversion has not taken place. After a while which depends on the engine water temperature at the moment, the conversion button is pressed down (e.g. under the engine water temperature of 25 °C, this time will be equal to 150 seconds, while under higher temperatures the conversion time will be shorter), the CNG indicator will stop blinking and the light comes on permanently. This implies that the fuel conversion has taken place completely. Now the engine is working on CNG mode .

**Warning**

Do not change gear position for braking on slippery roads
Never select the position “N” when driving (if your vehicle is equipped with automatic gearbox).
Never leave children unsupervised in the vehicle.
Apply handbrake and select position “P” when your vehicle is parked.
(if your vehicle is equipped with automatic gearbox) – Do not park your vehicle in places where there is the risk of the contact of the hot exhaust with flammable objects, such as grass and/or dead leaves.

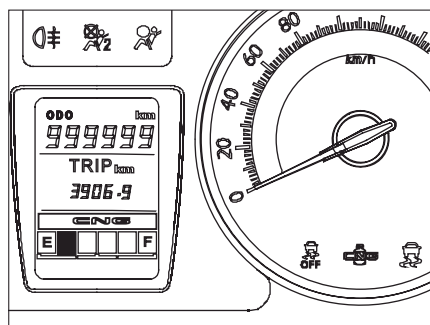
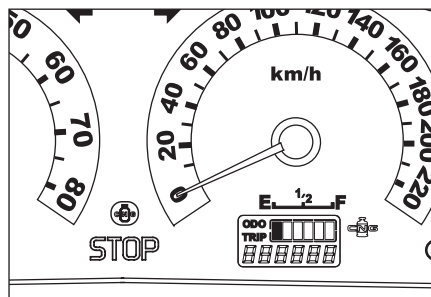
Note

In the event the engine REV is higher than 4000 revolutions per minute and it is accelerating up at the moment the conversion button is pressed down, the LED indicator will start blinking and the engine will remain on CNG as long as it has not left the REV domain, after which it will convert to gasoline.

* If equipped

STARTING / DRIVING (CNG MODE)

3



Conversion from gas to gasoline*

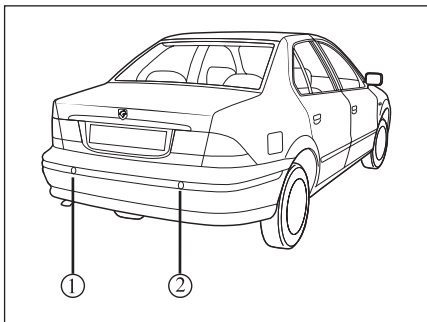
By pressing the fuel conversion button, in the case that there is no engine failure and gasoline in the fuel tank, the director on the instrument panel will light off. This implies that the conversion from CNG to gasoline has done properly. It is necessary to remind that under the two following circumstances, the engine will automatically convert from CNG to gasoline option (no need to press conversion button):

- Breakdown of CNG consumption system
- Non - availability of sufficient gasoline in the fuel tank

Note

When the green indicator of CNG Fuel position is on, it means the vehicle is in CNG mode. When this indicator is off or at the time of gas to gasoline conversion, the vehicle continues to run in gasoline mode.

* If equipped



Reverse alarm system*

This equipment warns you if an obstacle is detected behind the vehicle in reverse gear.

Visual / audible rear parking assistance operation*:

The parking sensors are installed on the reverse gear and on rear bumper and are only activated when the vehicle is in reverse gear position.

In this circumstance, the audible signal becomes continuous and informs the driver of any nearby obstacle. The nearer the obstacle is, the more buzzes per a given time are heard so that the driver may become fully aware of the vehicle position.

Detecting system specification

The system installed on Samand vehicle consists of two optical sensors on the rear bumper.

-Error warning for sensor cut off

Cut off of left-hand sensor: Single buzz with 2 Hz frequency.

Cut off of right-hand sensor: Two buzzes with 2 Hz frequency.

- System troubleshooting

If one or two of the sensors are cut off or faulty, a buzz different from the above mentioned will be heard. Upon this circumstance, the driver must consult with an authorized IKCO dealer.



Warning

-This system is dedicated to warn the driver of the obstacles within 150 cm of the rear bumper while the vehicle is parking with the speed less than 5 km/h. Regarding the of limitations in the estimation of accurate distance of obstacles, the drivers attention to the obstacles is mandatory.

- By usage of this audible signal for rear parking assistance, the detection warning system helps the driver for easily parking of the vehicle with consideration of distances to the obstacles.

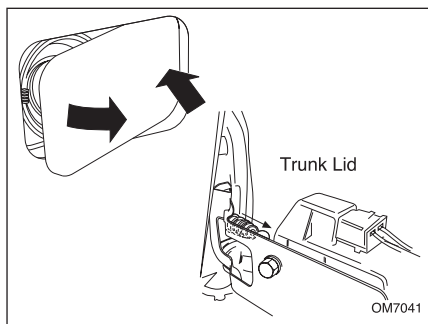
- Never feel safe enough to exceed the speed limit or move reverse suddenly.

- Defensive driving really means "be ready for anything." On city streets, rural roads, or freeways, it means "always expect the unexpected."

Assume that pedestrians or other drivers are going to be careless and make mistakes. Anticipate what they might do. Be ready for their mistakes.

FUEL SYSTEM

3



Fuel filler flap

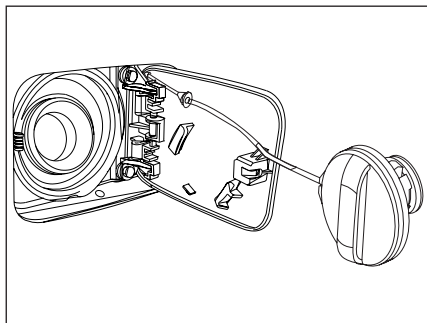
The fuel filler flap is located on the right mudguard, and is linked to the central locking system.

When the central locking system is unlocked, push the right side of the flap towards inside to open.

Note: The fuel flap is only locked by the central locking system.

Opening the fuel filler flap in emergency situations (2)

- If the central locking system does not operate, you can open the flap from inside the trunk.
- Remove the upholstery of the inner right wall of the trunk.
- Pull back the tongue of the fuel filler-flap lock.



Fuel filler cap

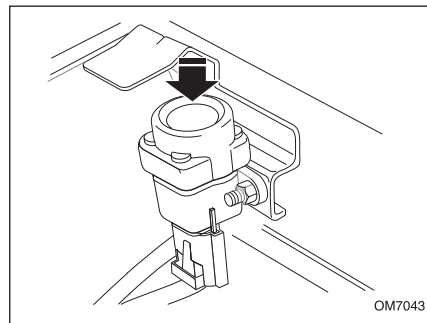
Unscrew the filler cap counter clockwise, and wait a moment before removing the cap so that the gas inside the tank could exit.

Refer to the label inside the fuel cap to be informed on the type of usable fuels.



Caution

The utilizable gasoline in engines is unleaded gasoline octane 95. If any other fuel is consumed, it is possible to damage internal parts due auto-ignition phenomenon and impact



Fuel cut-off switch

It is located in the engine compartment, and on the right inner mudguard.

During violent accidents, a safety system prevents fuel reaching the engine.

After you ensured that no fuel is leaking, press the key to open the fuel flow to the engine.

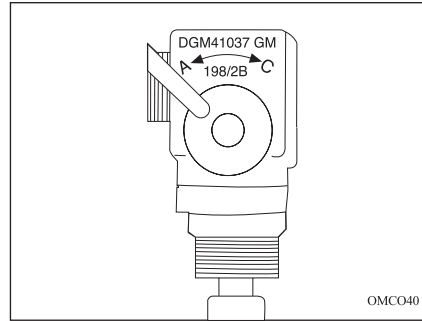


Warning

Since the gasoline in the fuel tank maybe under pressure, never open the fuel cap suddenly in order to prevent danger. Loose the cap slowly and carefully till the HISS sound stops, and then open the cap fully. Considering the danger of gas mist, never fill the fuel tank while the engine is running. Please keep away of any sparkles, flames,... near the spilt gas.

CNG fueling steps:*

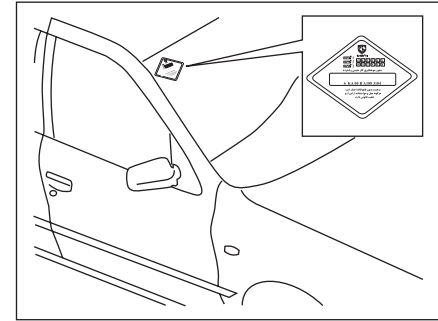
- 1- When positioned in a fueling station, do not smoke cigarettes and do not use your mobile phone.
- 2- When positioned in a fueling station, make sure the vehicle is fully immobilized and that the engine is turned off (the handbrake must be pulled)
- 3- The station operator performs the fueling operation, after controlling the fueling authorization sticker.
- 4- After each fueling, make sure the gas filling valve lid is closed. (to avoid infiltration of dust and malfunction of gas system)
- 5- The maximum allowed gas pressure is 200 bars; the actual pressure is visible through the pressure gage inside the engine compartment. This level is automatically verified by the fueling station.



You may refer to website of Iranian Fuel Consumption Organization, Hyperlink “<http://www.IFCO.ir>” www.IFCO.ir , or may contact tel. no. 8860 4760-5 to have latest information about active CNG filling stations



Caution
 Avoid fueling in CNG fueling stations set apart for trucks and buses, since malfunction may occur in the container valve due to the higher output of these stations.



Changing the Fueling Authorization Sticker*

The validity of the fueling sticker is 12 months and without it fueling is not allowed. Therefore, one month before expiration of validity, contact authorized bi-fuel system inspection centers.

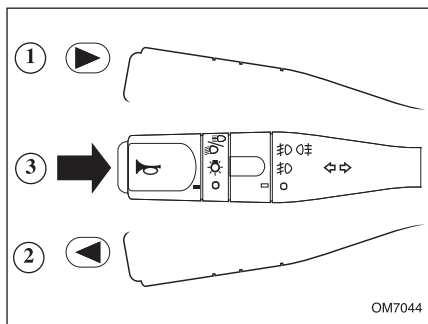
Authorized agencies offering bi-fuel system services are listed in the authorized agencies section.

Every thirty-six months gas tank and other related equipment must be assessed by authorized centers introduced by standard institute .

* If equipped

LAMPS / INDICATORS

3



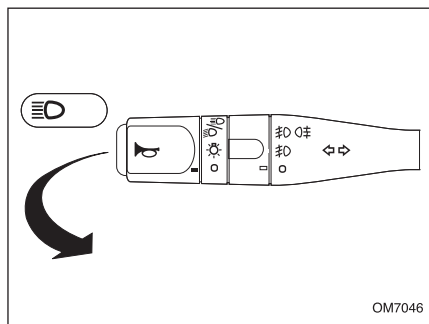
Direction indicators (left & right)

Move the lever DOWN to indicate a LEFT turn, and UP to indicate a RIGHT turn (the appropriate GREEN warning light in the instrument panel will flash in time with the direction indicators).

In case of 1 strike on left/right direction indicator, the indicator is activated and after blinking 3 times it is turned off. (Amount of flasher is adjustable with diagnostic device)*

Horn

Press the bottom of the direction indicator.

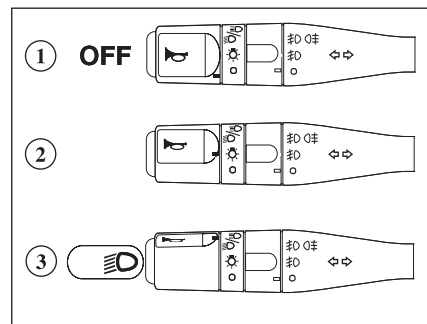


Headlight main / dipped Beams

Put the lever completely towards the steering wheel to change headlight beams (BLUE warning light glows when the headlights are on main beam)

To flash headlights, pull the lever part way towards the steering wheel and release.

If the driver decides to change course move in lines, just a small move should be conducted upward /downward on turn signal handle. In this mode, the turn signal acts with more speed and 3 times as a warning.



Lighting control switch

Position 1: lights off.

Position 2: Small lights (front/rear)- Instrument Panel backlight and center console.

Position 3: Headlights on

Day-Time Running Light (DRL)*

The light is turned on automatically when the vehicle is switched on, and activating any other lights such as Indicators, Beam Lights or Deep Lights, will be disabled. These lights are fitted to better view the car in day.

Activation / deactivation of this light must be carried out by IKCO authorized dealers.

Warning alarm

When the driver exits the car, it warns the driver that head lights are on, and it sounds if the driver and or the passenger door is open and the switch is off.

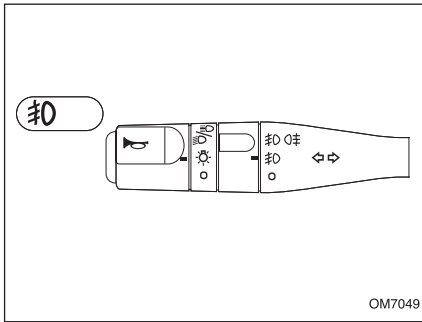
* If equipped



Warning

Before driving at night:

Make sure the electrical equipment work flawlessly. Regulate the vehicle lamps (especially when vehicle is overload). In general, make sure the lamps are uncovered (clean from dirt, mud, snow or any other covering object).

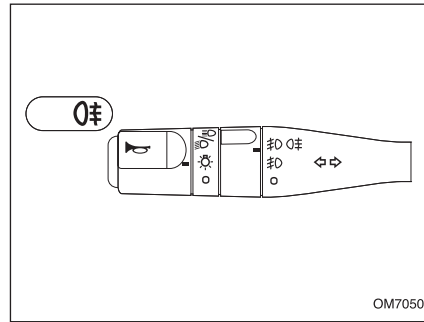


OM7049

Front fog lamps*

Rotate up one level the center part of the stalk to turn on the front fog lights. The warning indicator on the instrument panel lights up simultaneously when fog lights are on.

The lights operate only when the small headlights or indicator lights are on.



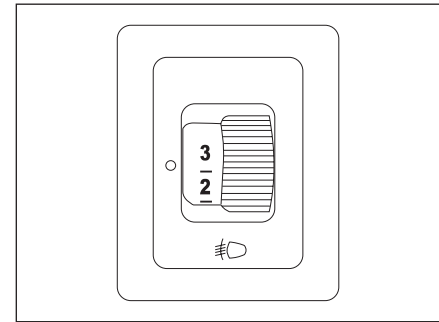
OM7050

Rear fog lamps

Rotate up two levels the center part of the stalk to turn on the front fog lights. The indicator on the instrument panel lights up when the fog lights are on. The lights operate if:

- small headlights or indicator lights are on
- The sidelights and front fog lights are on (if they are installed)

Fog lights should be used only when the visibility area is severely limited since drivers get dazzled when using fog lights in normal conditions.



Adjusting the beam of the head lights*

This key is used by the driver to adjust the height of the headlights in different driving conditions and the amount of vehicle load. As the car's load is heavier at the end of the car, with the choice of a larger compensator, the light can be thrown into the desired area.



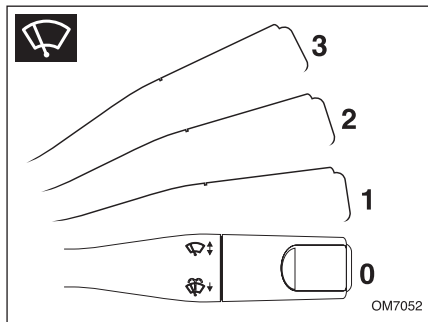
Warning

- fog lamps only used in snow and fog .
- In clean air or rainy, day or night, do not use the front and rear fog lamp. Because of creating glare blinding causes blurred vision the other drivers and, increases accident.

* If equipped

WINDSCREEN WASHER & WIPER SYSTEM

3



Windscreen wiper / washer

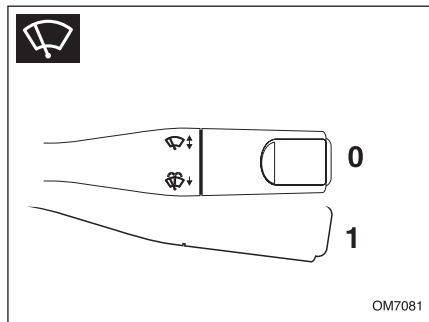
The vehicle windscreen wipers\ washers are controlled by the right side stalk, and operate only the switch is on.

0- Off

1- Intermittent wipe (The interval between two wipers depends on the speed of the vehicle)

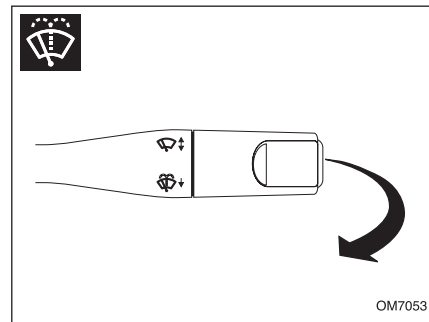
2- Normal speed wipe

3- High speed wipe



Single movement of wiper (Only one reciprocating movement)

Press the stalk downwards only once, and then release it to have a single wipe. The windscreen wipers operate continuously as well as pushing the lever.



Screen wash

Pull the stalk towards the steering wheel. By pulling the lever each time, the screen wipers operate three times. As long as the stalk is pulled, the washers continue working.

Soon after pulling the lever sprinkling will start for 0.7 of seconds and the wipers will start moving. As far as you keep the lever sprinkling and washing will be continued without cessation. But soon after leaving the lever wipers will stop after 3 times of moving . Three seconds, after cessation, the 4th movement of will start for complete cleaning of the glass.



Caution

- In the very cold temperature, make sure the wiper blades are not frozen (the wipers motor maybe damaged) .It's a good idea to clean or replace the wiper blade assembly on a regular basis when they are worn out or whenever the efficiency of wipers are reduced.
- Always clean the windscreen In the event that you shut down the engine before the wiper blades come to a standstill (0 positions), the wiper blades goes to zero status.
- When opening the bonnet, make sure the wiper blades are in 0 position (stop) position; otherwise it will cause injury.

* If equipped

**Caution**

- When parking on a steep area move the wheels towards the sidewalk and pull the handbrake.
- While driving, always make sure that the handbrake is completely pulled down (Brake Warning Lamp is turned off). Otherwise, the brake pads turn hot.


Foot Brake Servo Assistance

The braking system is servo assisted. It is activated only when the engine is running. A greater effort is needed to stop the car without using the servo system, and in this situation the vehicle will stop in a longer distance. Always consider the following points:

- **Never** run on neutral gear or with the engine turned off
- **Always** take care when towing the car with the engine turned off.

If the engine goes off while driving,

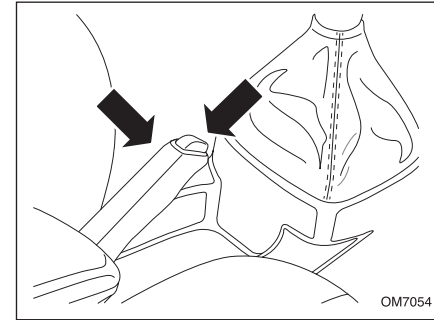
**Caution**

Use the hand brake and turn the wheel towards the pavement in slope surfaces.
When the  and STOP icons are lit, it means that the handbrake hasn't been released or is incompletely released.

considering safety precautions bring the car to a proper place, and avoid unnecessary braking. It finishes the remaining available servo-assistance.

**Warning**

If the engine is not running, the brake servo assistance will not work; more pressure has to be applied on the brake pedal. In this case the stopping distance of the car will increase. Before moving the car, consider all necessary precautions.



3

Handbrake

Handbrake locks only the rear wheels. Pull up the lever to use the handbrake. When parking, the handbrake should always be completely pulled up (without pressing the button on the lever). To release the handbrake, pull the lever up slightly, press the button on the brake, and fully lower the level. The warning light on the instrument panel turns off when the handbrake is completely released. When parking on a steep road facing uphill, use forward gears (i.e. one), and use reverse gear when facing downhill.

ANTI-LOCK BRAKING (ABS)

Anti-lock braking (ABS)

Anti-lock braking system is one of the car control systems preventing the wheels from locking on slippery roads, or intense braking. Therefore, it reduces the brake distance, steer ability, improves stability, and increases car safety in general.

If the wheels slip, when braking, not only the brake distance increases but also the car control is endangered.

Therefore, using the anti-lock braking system (ABS) system is necessary in this situation. It prevents fully locking of the wheels, and lets the driver to control the vehicle when making sudden and intense brakes. The system has a considerable effect on increase safety since it controls and adjusts the braking pressure electronically, and adapts itself to variations in road surface.

In the conventional hydraulic brakes, a timely constant pressure is applied to the brake pedal, and causes to lock the wheels on braking.

New navigation and stability system such as ABS prevent wheels from locking in these situations, which may cause critical driving situations. ABS actually monitors each of the wheels, and it can adjust braking pressures so that each wheel gets the maximum possible braking force without locking of the wheel while functioning. It prevents continual locking and slipping of tires, and can provide the best braking conditions for the vehicle to remain stable and controllable especially on slippery roads.

It is possible to summarize the advantages of the anti lock braking system (ABS) as follows:

- 1- Ability to maneuver and maintain the stability of the vehicle when braking (on direct paths and while changing direction)
- 2- Sustained steerability during braking (on direct paths and while changing direction)
- 3- Reducing the burden of responsibility regarding the driver
- 4- Preventing the wearing of tires due to impeding repeated locking of the brakes and slipping of tires.





Warning



This system shall not be deemed as a reason to incite you into sudden accelerating and driving with high speed. Indeed, nothing can be replaced instead of driver's responsibility and precaution while driving.

This performance is an auxiliary system which manages the driver's response according to the prompt circumstances during driving in critical conditions.

When using a car equipped with anti lock brake system always consider the following points:

- Since the anti lock brake system is only for balancing the braking force, therefore when braking sufficiently press the brake pedal and always follow safety guidelines.
- Feeling brake pedal vibrations under the foot while braking over unstable roads or sudden braking is normal and caused by the operation of the anti brake system.
- To hear noise when braking over unstable roads or sudden braking from front and rear wheels is normal and due to the operation of the anti brake system.
- The anti brake system is equipped with an automatic defect finding system that will light the anti lock brake system warning indicator  on the front panel display in case of a problem.
- When the car is turned on, the anti- lock brake system warning indicator  on the front panel display is on and will turn off after a few seconds. If the warning indicator does not light when the car is turned on or remains lit, is a sign of problem in the anti lock brake system. In

this situation the car should be directed to an authorized workshop with precaution.

- If the handbrake is completely released the handbrake indicator  and anti lock brake system warning indicator  are both lit on the front panel display, stop the car with precaution and contact an authorized workshop.

The brake dragging distance will be more while you're driving on sloppy surfaces. Make sure of proper functioning of the brake after washing the vehicle or while you're passing from the puddles.

Electronic brake force distribution system (EBD)*

EBD system balances braking forces ratio over rear and front wheels, and prevent over braking on rear-axis wheels. The system provides an optimizing and an ideal distribution ratio of the brake force between rear and front axes, and then can provide the best braking force ratio on each wheel to maximize best brake performance. Also by using the EBD, the pressure valve of the vehicle will be no longer needed.

ABS system, immediately prevents locking the wheel in sudden braking, and EBD ensures the optimized braking distribution on the wheels. When you use a car equipped with anti-lock braking system, consider the following:
In the case of any problem in EBD system, an alarm sign display on panel.

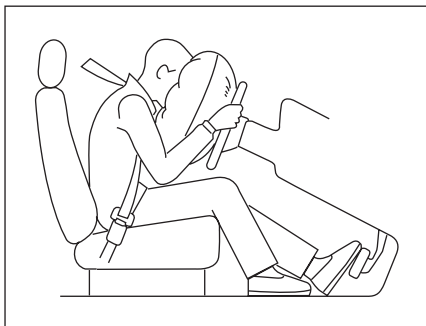


Caution

ABS braking system will function independently from the pressure exerted on the brake pedal. Therefore in critical situation, it is recommended to exert a forceful and steady pressure on brake pedal. It is to be noted that it is not mandatory to exert subsequent (multiple) pressure on the brake pedal.


AIRBAG *

3



Air bag safety *

Besides the Interjecting safety belt, your vehicle is equipped with air bag safety as well.

When the ignition switch is placed in the ON position, the air bag indicator light on the instrument panel  is turned on and it's turned off after 6 times blinking otherwise, (as below) suggests a fault in the air bag system or safety belt pre-tension which should be referred to the dealer of the car and fix it. Otherwise, the vehicle owner is responsible.

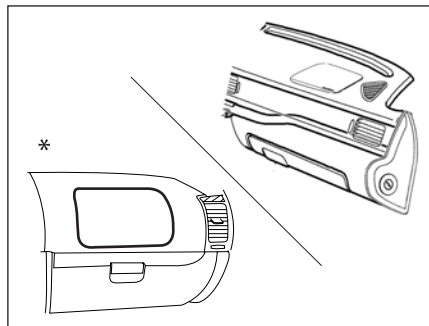
- Air bag light stay on after blinking 6 times.

- When the ignition switch is placed in the ON position, the air bag light does not light up and does not blink.

The driver's air bag is located behind the steering wheel's central hatch and the phrase **SRS Air bag** is printed there to indicate that the vehicle is equipped with air bag system.

Passenger airbag

It has been located at the right upper part of

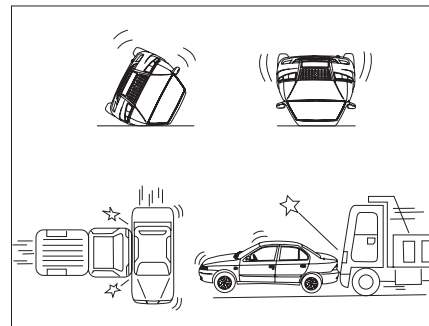


glove box and phrase **SRS Air bag** is printed there to indicate that the vehicle is equipped with air bag system.

The vehicle's Air bag is designed so that it only becomes active at time of a severe.

The vehicle's Air bag is designed so that it only becomes active at time of a severe collision at front and does not respond at time of encountering blows resulting from collisions at the back and sides, overturning of the vehicle or light collisions. In fact this safety system is designed for protection and safety and reducing injury to the driver only when severe collisions occur. The air bag works only once during a collision and it inflates and deflates so fast that you may not even notice it being activated. Activation of the air bag will not block your view and it is not so stiff that would prevent your getting out of the vehicle.

Know that no system can protect passengers against all possible injuries in a collision.



Warning

Should the air bag light on instrument cluster does not go out after 6 seconds following starting the engine (this light blinks 6 times in some models), vehicle's owner should have the air bag system inspected by an authorized Iran Khodro dealer as soon as possible, otherwise vehicle's owner shall be responsible for any and all loss due to ignorance and delay in referring to an authorized dealer.



Note:

To control blinking of the air bag indicator light, between any two consecutive time in the ON position, the switch should be placed in OFF position for at least three seconds.

* If installed in your car



The air bag has maximum protective effect when the safety belt has kept your body in the proper position. So always adjust the seat in the farthest position possible, sit with a straight posture and lean on the backrest.



Warning

Passengers are not in their position, very close to the inflating air bag and may be damaged.



Do not, under any circumstances, lean on the steering wheel or the vehicle door.


Air Bag Service & Maintenance

If the air bag is activated once, all its parts and fittings should be replaced by an authorized Iran Khodro representative, as soon as possible.

To prevent breakdown or untimely activation of the air bag, disconnect the battery's electrical cable at least 90 seconds before performing electrical repairs on the vehicle and turn the start switch to the LOCK position. Dismantling a vehicle, whose air bag has not been deflated, is dangerous. To disconnect the activating fuses of the interjecting and air bag systems, consult authorized Iran Khodro representatives.



Warning

- Only belts tightened as much as possible on the passenger's body will have the needed effectiveness. Depending on the nature and severity of the blow, the interjecting system will act concurrently with air bags. In case of non-operation in one of the above situations or defects in the system, the air bag's warning light will come on.
- For greater safety, always keep the front seats' safety belts fastened, for them to have maximum effectiveness at time of the air bag system's performance.
- Never install the protective seat of infants in front passenger seat. Because there is a risk of severe injury or death; if the air bag functions. If using of switch is inevitable, inactivate the air bag by using the inactivator, located at the lateral section of glove box. In this case installation lamp of air bag gets on. 



Passenger Air Bag Label

This label is on the side part of the glove box and it means if the air bag arming key is in ON position, do not install rear facing child restraint in the front passenger's seat.

It is dangerous for passenger sitting on the front seat while air bag arming key is in OFF position.

Arm the air bag to protect the front passenger as soon as taking out the child restraint from front passenger's seat. Make sure that the front passenger air bag's disarming light on instrument cluster to be off.



Warning

- Any servicing on the passenger security system (pre-tensioner, air bag, electronic control unit, wiring) or re-use of this system in another vehicle, even if is the same vehicle, is expressly forbidden.
- Use only factory standard steering wheel and never replace it.
- Covering of the air bag is expressly forbidden.
- Do not attach anything (clip, logo, watch, mobile stalk, etc.) on the steering wheel air bag.
- No alteration is allowed on the air bag system.
- Opening of the steering wheel is forbidden.
- Have all securing equipments to be inspected after any collision.
- In order to insure proper performance and avoid sudden inflation of the air bag and pre-tensioner system, only trained personnel of the Iran Khodro dealers are permitted to repair or service the air bag and/or pre-tensioner system.
- Arming or disarming front passenger air bag should be done only when the vehicle is off*.
- Do not install rear-facing child restraint system on the front passenger seat when there is a fault in function of the air bag arming or disarming switch.*
- Driving never get your hands on the steering wheel spokes and the central part of the steering wheel.
- Do not put your feet on the dashboard above.
- One of the inevitable consequences of opening air bags, burning skin areas that are exposed to it and also sound at the same time and the amount of powder is released that is natural.
- Note that the air bag components after opening (action), are hot for a while.
- Air bags, safety belts, crash protection system are complementary. The driver and all passengers must be closed at all times your safety belt to the risk of serious injury or death in the event of an accident are minimized.

4 VEHICLE MAINTENANCE

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* If equipped

MAINTENANCE

Owner Care & Maintenance

In addition to regular services and checks described before, some simple periodical checks should also be done. you can perform these checks.

Daily checks

- Performance of lights, horn, indicator lights, window wipers, window washer and alarm lights
- Performance of safety belts and brakes
- Any drips of any liquids that may indicate the leakage of engine liquids under the vehicle.

Weekly checks

- Engine oil level

- Coolant level
- Brake fluid level
- Steering wheel hydraulic oil level
- Window washer liquid level
- Air pressure in tires and their condition
- A/C performance

Special Conditions

If your vehicle is constantly used under special conditions such as places with a lot of dust or in very cold weather or very hot places, it needs extra care. Contact your authorized representative in this regard.

4



Warning

- If the vehicle moves at high speed for a long time, check the engine oil's level regularly.
- Any sudden or significant decrease in the vehicle's liquid level or uneven friction of the tires should be reported to the authorized representative as soon as possible.

Safety in the garage

If you need to carry out maintenance, consider the following safety advices:

- Keep away your hands and clothing from moving belts and pulleys.
- If the engine has been turned off recently, do not touch the exhaust, cooling system and its auxiliaries.
- Do not touch electrical connections or its other components when the engine is running or the switch is on.
- Never leave the engine running or start in a closed place since exhaust emissions are poisonous and very dangerous.
- Do not work underneath the car when jack is the only means of support.
- Ensure that bare wires and all sparking tools are away from the engine.
- Use protective clothes and impermeable gloves for maintaining operation.
- Put off the metal wristbands and jewelry before working in the engine compartment.
- Prevent tools or metal objects contacting battery poles and terminals.

Poisonous Fluids

All fluids used in a car engine are poisonous and should not get any contact with open wounds. These liquids include battery acids, anti-freeze, brake and hydraulic fluids, gasoline, oil and the washer additives. Pay attention to instructions written on the labels and containers filled with these fluids.



Warning

- The cooling fan is an electrical device, and may continue operating for a few minutes after the vehicle has been turned off. Keep out of the operating fan when working in the engine
- A long contact with engine oil may cause serious skin disorders as dermatitis and cancer. Wash your skin carefully if contacted.

MAINTENANCE

Routine Services

The safety, reliability and performance of your car is partly dependant on your maintenance skills, and you should become ensured that maintenance operations, oil services, checks, brake fluid and coolant topping up are carried out in accordance with the proposed schedules of the manufacturer if required.

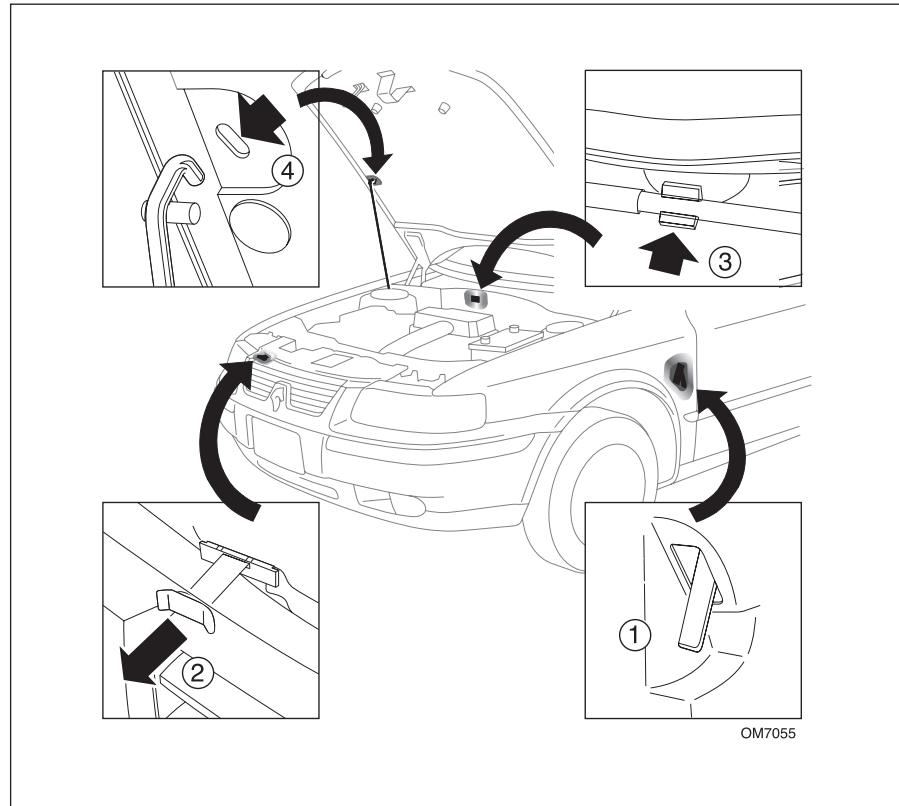
4

Opening the Hood

- 1- Pull the hood release from the passenger compartment (driver side). The hood gently jumps up.
- 2- Pull the hood safety catch, and raise it up.
- 3- Pull out the hood port rod from rear engine retain
- 4- Fix the support rod into the slot fitted in the hood.

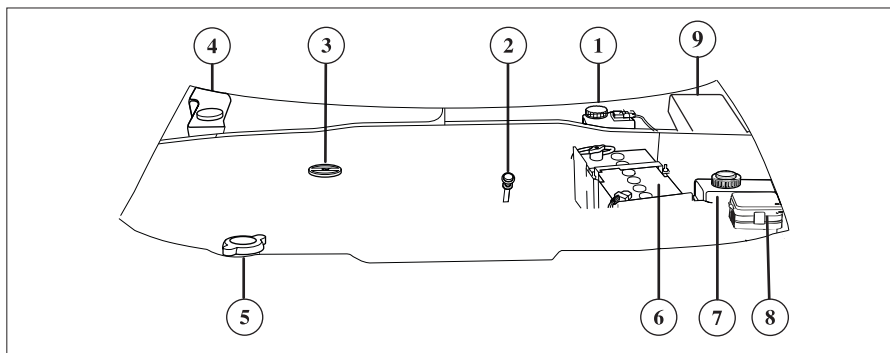
Closing the Hood

Replace the supporting rod in the retain clamp. Then lower the hood, and release it from the height of approximately 30 cm. Check that the locks are fully engaged by trying to lift the front edge of the hood. It should be free of any movement.



ENGINE COMPARTMENT

4



The parts in the engine compartment

- 1- Brake Fluid Reservoir
- 2- Oil Dipstick
- 3- Oil Filler Cap
- 4- Washer Reservoir
- 5- The radiator Cap
- 6- Battery
- 7- Hydraulic Fluid Reservoir
- 8- Engine compartment fuse box *
- 9- Fuse box *



Warning

- The cooling fan is an electrical device, and may continue operating for a few minutes after the vehicle has been turned off. Keep out of the operating fan when working in the engine.
- A long contact with engine oil may cause serious skin disorders as dermatitis and cancer. Wash your skin carefully if contacted.



Caution

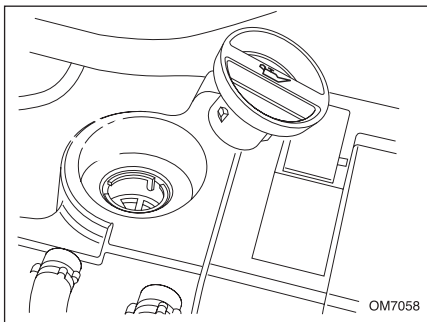
Adding: when adding oil, ensure that it is not spilt on engine parts since there may be danger of fire. Do not forget to close the lid since there is the danger of fire due to oil splashing on the hot surface of the engine parts. The indicator will only warn in case the engine oil goes below the required level and never shows any increase over the maximum amount, which can only be determined by reading the gauge.



Warning

- If the vehicle moves at high speed for a long time, check the engine oil's level regularly.
- Any sudden or significant decrease in the vehicle's liquid level or uneven friction of the tires should be reported to the authorized representative as soon as possible.

* If equipped



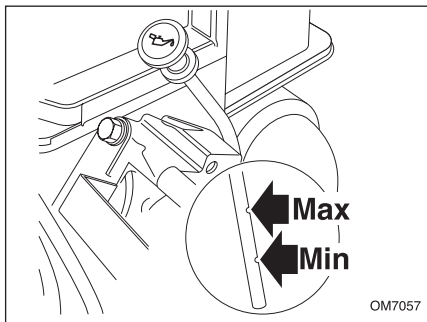
Engine oil fill

Unscrew the cap, and pour the oil in the reservoir. The oil level should never exceed (Max) marked on the oil dipstick. To check the engine specifications and required volume, refer to the Maintenance and service Guide.



Caution

Never mix the oil with the added material, this can cause harm to the engine very seriously.



Checking oil level

Check the oil level every week or more time, when you extremely use the car. Check the oil level when the engine is hot, when the car is standing on a plane level, and the oil settles in the reservoir.

Inspection of Engine Oil Level

Put the car on a flat surface. Turn the engine to warm it up. Turn off the engine and then measure the oil level after 5 minutes.

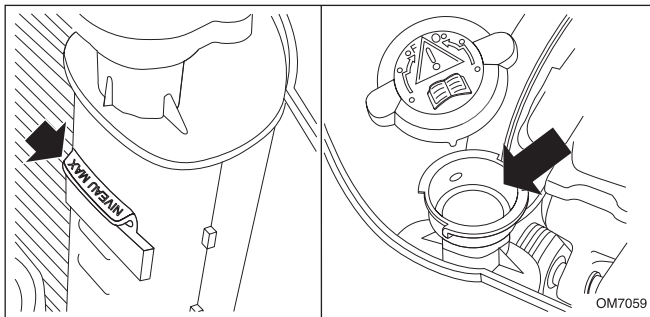


Warning

- when working on the engine, the radiator fan's engine may start working at any moment, danger of injury
- **Adding:** when adding oil, take care that it is not spilt on engine parts since there may be risk of fire. Do not forget to close the cap since there will be a danger of fire caused by oil splashing on the hot surface of engine parts.
- **Engine oil replacement :** if you change oil when the engine is hot, pay attention that you are not burned by splashed oil.
- Do not turn on the engine in closed spaces.
Exhaust fumes are poisonous.

ENGINE COMPARTMENT

4



Checking the coolant

The coolant level should be checked weekly when the cooling system is cold, and the car resting on a plane level. Liquid level should stand between (Max) and (min) signs on the vertical wall of the radiator (next to filler cap). Top up the radiator on necessity.

Filling the radiator

If the engine is warm, wait 15 minutes until the engine temperature falls below 100 C. Protect your hands with a cloth and unscrew the filler cap carefully and slowly to the safety stop, letting radiator pressure fall.

Notice: If more than one liter is needed to top up, an authorized representative should check the cooling system. Make sure that it is fully tightened to the second thread.

In an emergency, and only if the recommended anti-freeze is not available use clear water to fill the cooling system, but be noted that it reduces coolant freezing protection. **Always** use the antifreezes with recommended formula and approved brands and packages that are offered by ISACO.

Important note: Cooling system draining and refilling are service operations that need sufficient knowledge, and should be carried out by qualified personnel according to the instructions of the maintenance and Service Guide.

The coolant resists freezing down to - 30 degree centigrade.

Anti-Freeze

Anti-Freeze contains corrosion inhibitors. Anti freeze content of the coolant should be maintained between 40-50%, not only in cold weather but also all the year.



Warning

If any part of the cooling system (apart from the radiator) to open or replace the air to be re-authorized in accordance with the instruction performed by repair dungeons.

Avoid opening the radiator cover one hour after turning the engine off.



Warning

Anti-freeze solution is poisonous, and could be fatal if swallowed. Keep it sealed and out of children's reach. If you suspect of drinking it, refer to the physician immediately.

Prevent anti-freeze solution contacting with the skin and eyes. If you accidentally get it in your eyes or on your skin, flush the place with water and get medical help immediately.

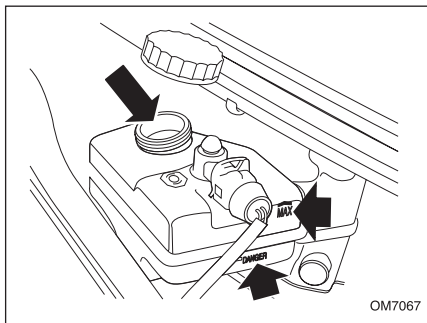
Brakes

Your car's most important safety section, the braking system is equipped with disc brakes in front and drum brakes in rear, and a with dual hydraulic circuit.

When the engine is running, the brake assistance reduces the power needed to press the pedal.

Brake fluid

The level of fluid may fall continuously and need a top up brake pad wears. If you find any noticeable oil level drop in a few times, refer to the authorized dealer. Do not drive if the level falls below the minimum sign in the reservoir.



Checking the brake fluid

Clean the filter cap completely to prevent dirt entering the reservoir. Unscrew the cap, and fill up to the mark " MAX " .

Do not let the fluid level drop below the mark " MIN " . Use only fresh seal contained fluid. (Only fluid from opened container, or fluid previously bled from the system absorb moisture, and if you top up them, can adversely affect the performance).

Just use the standard brake oils and approved brands and packages that are offered by ISACO.



Warning

- Brake fluid is highly poisonous, and should be kept out of children reach.
- Refer to the physician if the fluid swallowed.
- Prevent the fluid contacting the hands and eyes. If there is a skin contact rinse immediately with plenty of water. Rinse and then refer to the physician if contact with your eyes.
- Do not let the fluid spill over the warm engine since it may cause fire.



Caution

Brake fluid damages the painted surfaces. Soak up spillage with a clean cloth, and area with water and car shampoo.

ENGINE COMPARTMENT

Hydraulic Steering

If the hydraulic steering is correctly operating there is few or no need to top up the reservoir. If there is a sudden or continuous level fall, the car should be checked by an authorized dealer.

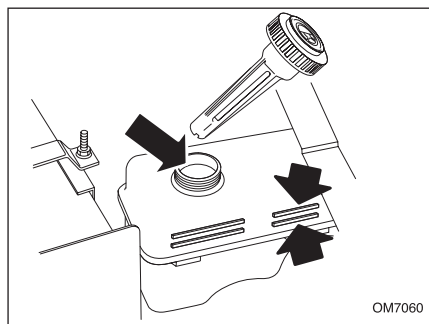
If the fluid falls below the mark minimum, fill it before starting.

Otherwise, the steering pump becomes damaged.

When the level falls below the lower mark, or the level falls suddenly and rapidly, never use the lever. However if you find few losses, you can top-up to the upper mark, and run a short distance to the nearest authorized work place.

Check the fluid level every week.

The engine should become cold and switched off when checking hydraulic fluid level and front wheels should be straight.



Checking the Hydraulic Fluid

Clean the filter cap completely to prevent dirt entering the reservoir. Unscrew the cap; clean the dipstick with a clean and lint-free cloth.

Dip it fully and remove again to check the level. Top up until the level reaches between the signs minimum and maximum.

Do not overfill the reservoir.

The oil level should be between two lines max, min.

For information on the advised specifications of oil, refer to the Maintenance and Service Guide

In case of hydraulic fluid contact with skin or eyes, rinse well with plenty of water. Due to fire hazard, make sure the hydraulic fluid does not spill on warm engine.



Warning

Hydraulic fluid is highly poisonous, and should be kept out of children reach. Refer to the physician if accidentally swallowed.



Caution

Brake fluid damages painted surfaces. Soak up any spillage with a clean cloth, and wash the area with water and car shampoo.



Warning

Batteries contain acid, which is corrosive and poisonous. Consider the following points on leakage: If it spills on your clothes or skin, immediately put off the contaminated clothes, and flush the contacted skin with a lot of water, and refer to the physician.

-In an eye contact immediately, flush it with clean water for at least 15 minutes, and refer to the physician urgently.

-It could be fatal to drink battery acid, if medical attention is not immediately taken.

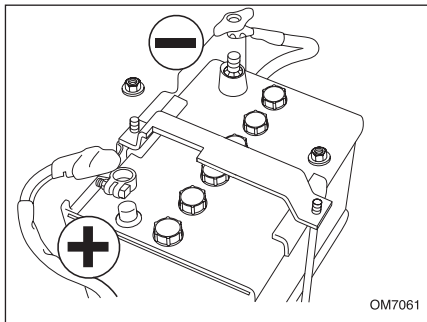
-Working batteries emit explosive gases; keep away fire and sparks from the engine compartment.

-Put off the metal wristbands and jewelry before working in the engine compartment. Never let tools or metal object contacting battery poles and terminals.



Caution

If the car stops more than 6 days, it should be switch on at least one time and for an hour.



Detaching the battery

Turn off the alarm before disconnecting the battery, and make sure that the ignition switch is off. At first, detach negative cable (-) and then the positive (+) cable. Attach the positive cable and then the negative cable on to reconnect the battery. Do not let the battery poles have any connection with the bodywork or metal parts. Unscrew the nuts supporting battery clamps, and then take the clamps to remove the battery. When replacing fit the battery and its clamps right in position (the poles towards the engine), and then tighten the nuts of the clamps so as to stabilize the battery unit, while avoiding over tightening of them.

Replacing battery

Always use batteries of the same type and of the original specification. Other types may vary in size or terminal positions, which may have fire danger when connecting to the car electrical system.



Caution

-Do not charge battery when connected to the car. This could seriously damage the electrical system.

- It is better to check the distilled water and acid level once a month if the battery lids are removable. If the level is less than recommended, the needed amount should be added.



Warning

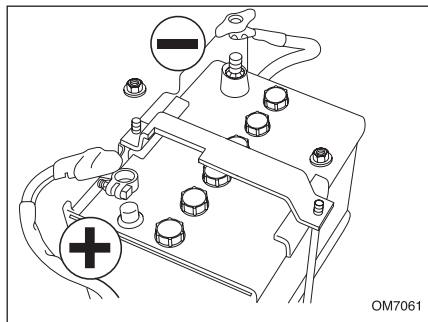
-Do not change the battery suspected of being frozen.

-Take sparks and fires away from the battery when charging (charged or incharge batteries generate inflammable hydrogen).

-After charging the battery and before connecting to the car, wait for one hour so that inflammable gases exit and therefore the risk of ignition is reduced.

BATTERY

4



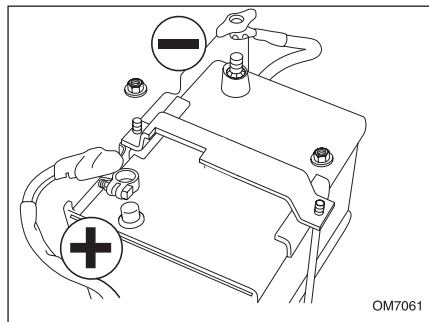
LMF Battery

Your vehicle is equipped with a LMF battery that its water level should be checked and controlled using the doors on it and it requires minimal maintenance.

- Keep the battery's top part clean and dry.
- Keep battery poles and connections, clean, tight and covered with grease.
- If electrolyte (water and acid) is spilled and penetrates, wash the spot with a solution of water and baking soda.

* If installed in your vehicle

** If LMF battery is installed in your vehicle



MF & SEALED battery*

Your vehicle is equipped with a battery that does not need any special care.

If battery voltage is low:



Warning

- Do not bring sparks or flames near the battery, since the hydrogen inside the battery is flammable.
- Never keep old batteries at home. Give them to organizations responsible for the collection and recycling of these types of batteries.
- If the battery's voltage is less than 10.5 volts, the battery should be changed.
- If the battery's voltage is between 10.5 to 12.4 volts, it needs recharging.
- In case of the vehicle being kept turned off, do not keep its electrical outfits on for a long time, to increase battery life.

1- Inspection of the dynamo belt and its decomposition, in this case the alternator current falls.

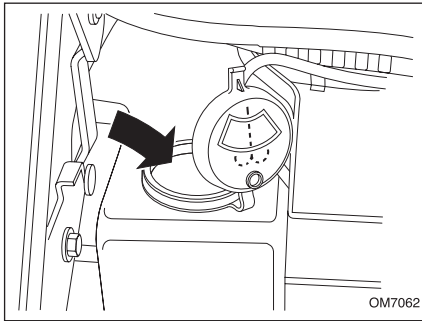
2- Problem in the wiring system, the spark wire has to be tight and cable diameter has to be adequate.

3- In -18°C do not continue the starting process more than required.

4- In case the decision has been taken to change the battery, it is more suitable to replace with a battery similar in size and amperage.

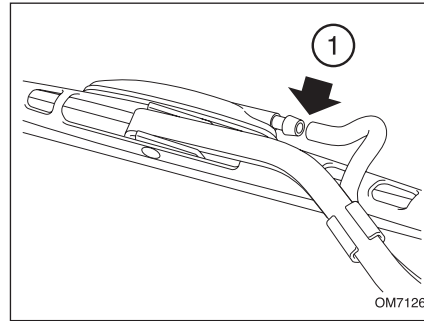
Battery's Common Problems(SSR):

- Decrease of the electrolyte covering 50% of problems and it is the result of heat and overcharge.**
- Keeping the lights on causing a deep discharge.
- Non conformity of the replacement battery with the original.
- Low charge or lose dynamo belt.
- Additional vibration due to unfastened battery clamp.
- Loose Battery Cables**
- Use of un distilled water.**
- Corrosion**
- Freezing
- Battery decomposition for acid usage, instead of distilled water.



Filling the Windshield Washer Reservoir

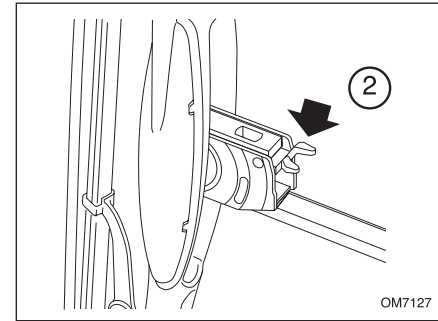
Every week, check the reservoir liquid level. Fill the reservoir with a mixture of water and proper detergent to make sure that the screen is neatly washed and free of frosts. Mix the recommended quantities of water and detergent in a separate container and fill the reservoir. Always follow the detergent usage instructions.



Removing Wiper Blades

1-Detach the sprinkling jet from the wiper hose.

The nozzle may be of stationary type on engine cap.*



Lift up the wiper arm and turn the blade so that it makes a 90 degree with the arm.
2- Press down the trigger tongue.

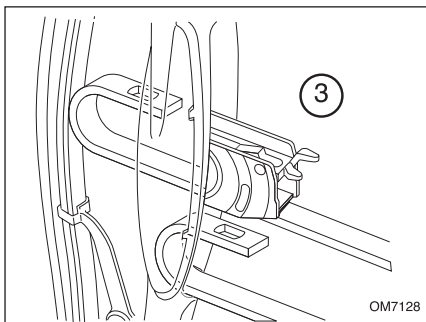


Caution

Never use the mixture of anti-freeze and water in the wiper reservoir. It can damage vehicle color.

WINDSCREEN WASHER & WIPER SYSTEM

4



1. Press down the blade so that it detaches the catch, then pull out the blade.

Mounting the Wiper Blades

Replace the blades one by one, always leave one wiper assembly intact to act as a guide while replacing the other.

Grease, Silicon adhesives and oil products impair the wiping performances. Wash the blades with soap and warm water, and check the blade regularly.

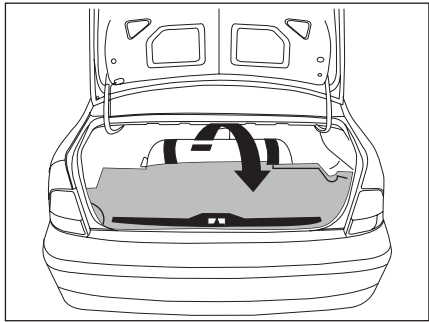
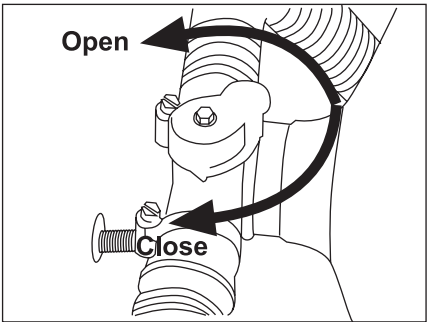


Caution

- In some systems pressurized water penetrates in the doors and windows sealing during washing the vehicle and causes fault in locks. Never use pressurized water directly on critical parts.

-In the very cold temperature, make sure the wiper blades are not frozen (the wiper motor maybe damaged)

-It is a good idea to clean or replace the wiper blade assembly on a regular basis when they are worn out or whenever the efficiency of wipers are reduced.



Handling method in case of gas leakage*


Although numerous safety precautions have been taken into account within the gas system, it is still important to bear in mind the following points:

Inspect everyday your car for gas leakage.

- Any gas leakage from high pressure fittings and in the trunk will be conveyed towards exterior by the flexible ventilation hose.
- If you park in closed space with no ventilation possibility, it is advised to close the valve on top of the container.

* If equipped


In case of leakage and gas odor from the trunk or interior, switch to gasoline and close the top lid of the container. Contact the authorized workshop to fix defect.



①

Warning

- Any manipulation and fixing of the gas system by unauthorized individuals, would be considered a breach from the conditions of the guarantee and repair should only be carried out by authorized workshops.



②

Warning

- Any repair work such as changing or fixing the container's top valve or servicing the regulator should only be carried out by skilled personnel approved by the manufacturing company and within the authorized workshop.
- Also since the container and regulator are traceable components, therefore any repair or change must be duly registered in the associated maintenance identification card.

CLEANING & CARING VEHICLE

Cleaning the bodywork

In order to preserve the car painting finish, please consider the following advices.

- **Do not use hot water** to wash the car.
- Use wet linen cloth to clean dirt and dust from the car metallic paint to prevent scratching.
- Do not use detergent powder or washing liquids.
- In hot weather, do not wash the car in direct sunlight.

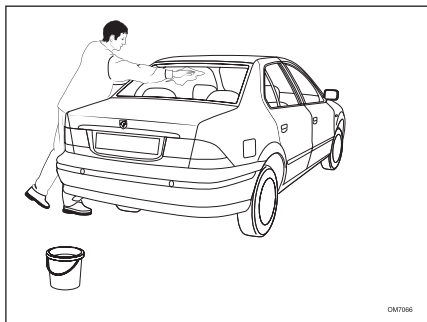
- Do not flush the water directly to the windows, door liners or the brake components.

Avoid placing and footrest drying on the car body.

Continuity footrest drying on the car body over time, will lead to a change in the color of the car body.

- Use a water hose to flush dust and dirt front the bodywork before washing, and when the car is too dirty. Then wash the car with cold water or lukewarm water and a good quality shampoo.

Use plenty of water to make sure that the bodywork has become free of dust. Rinse the car with clear water and soak up using a chamois leather cloth.



Cleaning the underneath

Occasionally and especially in winter, flush away mud from underneath of the car such as the wheel compartment and frame gaps (seams), which can easily collect debris.

Do not flush water directly to susceptible areas.

Use the following materials to wash the exterior of the vehicle:

- Car shampoo
- Wax polish
- Tar remover
- Glass cleaner
- Rubber protector
- Cleaner of rings and aluminum



Caution

In some high pressure, water penetrates in doors and windows liners, and cause damages to the locks. Do not use high pressure water on sensitive parts.

VEHICLE CLEANING & CARE

Removing tar spots

Use white spirits to remove the oil and tar spots stuck to the paint works. Then wash the area immediately with soapy water to remove all traces of the spirit.

Body protection

Check the paintwork after you finished washing. Paint the area suffered chips or scratches using a touch – up pencils. If the body surface has been uncovered, first use a colored primer and then apply the correct color base coat and finish off with a lacquer pencil and polishes. This action must be performed after washing and before waxing or polishing.

Vast damages of the paintwork should be repaired in accordance with the menu fractures recommendations. Otherwise anti-corrosion guarantee is invalidated.

Contact an Iran Khodro authorized dealer for further information.

Polishing the bodywork

Occasionally treat the paint works with an approved polish containing the following substances:

- Very mild abrasives to remove surface contamination without removing or damaging the paint.

- Filling compounds that fill or remove scratches on the body works.

- Wax to provide a protective coating between the paint work and external particles.

Wiper blades

Wash the blades in warm soapy water. Do not use white spirit or oil based detergents.

Windows and mirrors

Regularly clean windows, inner and outer sides, with a good quality glass cleaner.

Windshield: Clean the windshield with glass cleaner after washing and polishing the car and before fitting new wiper blades.

Rear window: Clean the inner side with a soft cloth with a left and right movement. Avoid damaging the heating elements. Do not clean the window using abrasive detergents, it will damage rear window-heating elements.

Mirrors: Wash the mirrors with soapy water and use a plastic scraper to defrost the mirror surfaces.

Note: Avoid using abrasive cleaners or metal scrapers.

Vehicle's internal package

Seats, to clean grime from the surface of the seats, use standard cleaning agents.

Dashboard, there is no need of a cover to care for the dashboard since it is resistant against sunlight, heat and cold.

To clean grease marks and other grime from the dashboard, use only standard cleaning agents.

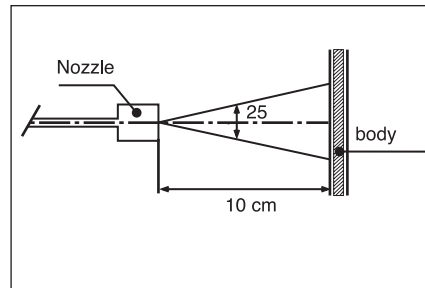
Qualitative Recommendation for vehicle washing

- 1- It is recommended to wash your vehicle once a week in normal whether.
- 2- Park your vehicle where direct sunlight does not fall on it.
- 3- Start vehicle washing at least 30 minutes after stopping the engine.
- 4- Do not use sharp-edged and abrasive means or cloth since they cause damage to vehicle's paint. Preferably use plastic gloves. Use cold or warm water for washing. Never use hot water. Use only non-abrasive and non-corrosive waxes and polishers.
- 5- Do not stand on doorstep or do not push the roof and body of the vehicle during washing/drying. Use only chamois or soft cotton cloth to avoid damage to the vehicle paint.
- 6- Wash the wheels first since the brake dusts are very abrasive, then change water and cloth and wash other parts of the vehicle from top to bottom. Use a soft cloth soaked in mild soap solution for washing aluminum wheels and chrome metal plates. Do not use strong, acidic

and chemical solvents and also abrasive and corrosive materials such as chrome polishers. Chrome polishers should be used only on chrome metal plates on the aluminum wheels.

7- Avoid using hot water of more than 60 °bcC, 4 to 5 bar Max. pressure for washing vehicle. Distance between nozzle and the washing area to be 10 cm. and flushing angle, which is made between the both sides of the longitudinal axis (along with water output) should be 25 degrees, as following figure:

8-Suitable detergent for washing vehicle:
- Detergent should be low alkaline (PH=7-9)



- It should be smooth to protect the gloss against scraping and cracking, preferably use liquid detergent.
 - It should be free from materials which leave spots on vehicle after being dried.
 - It should contain polisher to protect shiny appearance of the vehicle and be dried rapidly.
- 9- Do not use automatic carwashes, which use rotary brush, for washing vehicles with metallic and two layer painting.
 - 10- Bird droppings, tree sap, etc may damage the finish of your vehicle. Remove and wash these types of deposits as soon as possible.
 - 11- In case the water penetrates to the lid and interior parts of the vehicle, dry is as quickly as possible.

VEHICLE CLEANING & CARE

Maintenance of vehicle equipments

Wipe off the dust in interior part of vehicle.

Plastic parts

Clean with a solution of mild detergent. Then rub the surface with a damp cloth. Instrument panel should not be polished. It should be opaque to prevent its reflection into windshield.

4

Carpets

Use diluted household detergents such as carpet cleaner. Let it be dried away from sun shine to prevent its discoloration.

Microphone, Hands free Mobile and gear-shift lever knob of the Cruise Control*

Clean them with a dry cloth or brush. Never use corrosive or abrasive materials or chemical cleanser for cleaning surface of these instruments.



Warning

-Installing Additional equipments
Use only the approved equipments compatible with vehicle and conform to the guarantee to make sure the proper performance of the vehicle and decrease of vehicle's safety.

-Electrical and electronic equipments
Only authorized dealers may tamper with electrical circuits. Any faulty connection may cause general failure of the electrical connections or the appliances connected to it. Make sure that any new electrical equipment is protected by fuse when installing them. Be aware of location of the fuse and its intensity.

* If equipped

Maintenance of the Vehicle's Natural Leather*

Natural leather requires care to keep its beauty and durability. Clean any spots, whether made by foodstuff, alcohol or liquids, using an absorbent cloth. In case of water being spilled on the leather, do not use hair dryer or brush to dry it, just let it dry naturally. Never use tableware polish, solvents and soap or frictional polishes and cleaners on the leather. Just use special leather cleaners. These cleaners will completely clean all spots and grease marks without leaving any marks.

To ensure the cleaning agent does not have any undesirable effects on the leather's color and appearance, first test it on a parts not in view.

You need to clean the leather surface once every few months. First dust the leather, then to clean and protect leather surface, use leather cleaners and protectors using a circular motion.

A smell of leather is natural in the first few months.

If possible, when the vehicle is parked, leave one of the windows slightly down.

Prevent direct sunlight on the leather surface for long periods, as much as possible.

Do not use any types of wax on the leather surface since this will attract dust.

The leather covers may be cleaned using a damp clean cloth. If the leather surface is very dirty, you can use a cotton cloth with the suds made by a shampoo solution to clean it and then dry it.

If as time passes, any signs of attrition or discoloration appears, apply to your Iran Khodro authorized representative to rectify it.

Care Of the Fabric Used in Inside Furnishings of the Vehicle*

This type of fabric, like any other, requires care to keep its beauty and durability. For this reason, any type of stain, whether from foodstuff, alcohol or liquids should be cleaned using a sponge and carpet shampoo. Never use tableware cleaners, solvents, soap or polish and especially abrasive cleaners on the fabric.



Caution

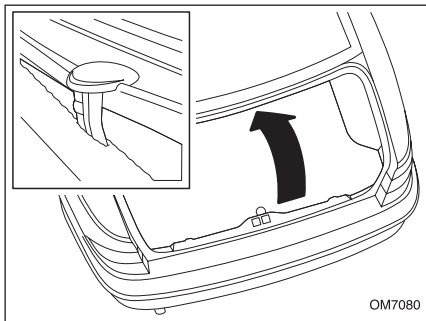
Clean any type of stain on the fabric, using only carpet shampoo and sponge.

* If equipped

5 TECHNICAL EMERGENCIES

CHANGING WHEELS	133-135
MAINTENANCE & SERVICING OF BATTERY	136-139
TOWING THE VEHICLE	140-141
FUSES	142-144
CHANGING LAMPS	145-152

TIRE CHANGE



5

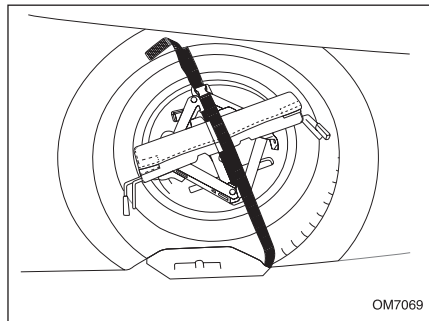
Spare Wheel and Its Tools

Remove the carpet from the bonnet floor by lifting up the handle provided. Hook up the handle on the trunk edge, under the rear window.



Warning

- Jack is used to change tires. Under no circumstances should it be used to perform other operations such as repairs or to access under the vehicle.
- If the spare tire is too old, show it to an authorized representative to be checked and ensure its proper condition for risk free use.

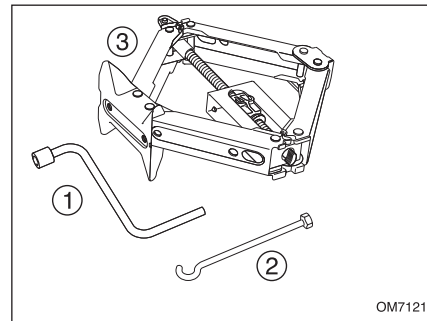


The Spare Wheel

Release the supporting strap, and remove the warning triangle and toolbox including the tools. Remove the spare wheel.

Hazard Warning Triangle

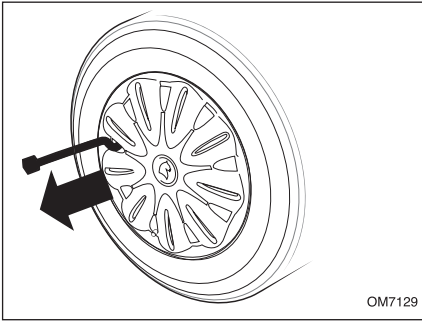
Put the warning triangle 50 to 100 meters behind the car beside the road when you have a break down or a wheel replacement and need to stop the car. The distance should be increased if there is an obstacle as the crown of a hill.



Tools

1. Wheel brace
2. Central nipple
3. Jack wrench

The toolbox prevents the floor carpet recession. Fasten the supporting strap to prevent tools and the spare wheel moving. In some models, other tools are provided for general repairs in a special compartment on the spare wheel.



OM7129

Removing the Wheel Cover (only for metallic rings)

Use the hook end of the trim remover to unclip the wheel trim by pulling around the wheel.

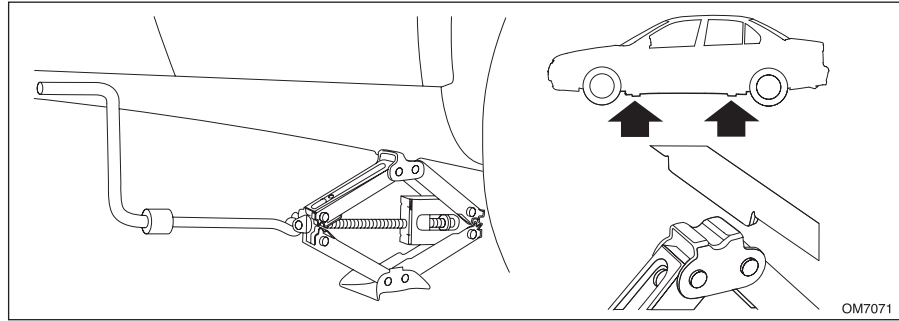


Warning

Always try to choose a safe place away from the main traffic to replace the wheel. Take out the passengers to a farther safe area.

Removing Aluminum Sport Rings:*

The steps followed for replacing aluminum ring are very similar to metallic ring, only the wheel cover removal part is omitted.



OM7071

Positioning the Jack

Put the jack in one of four points to the wheel you decide to change.

- Make sure that jack rests on a plane level.
- Do not use a jack while passengers sitting in.
- Make sure that front tires are completely in direct alignment and the vehicle is in first gear.

Notice:

In vehicles equipped with aluminum wheels, Four screws are located in Jack Box to replace the spare wheel. Fifth wheel is a temporary wheel (to change in urgent situation and when one of the tires is punctured). So there is no problem if the manufacturer of the tire or the tire crown is different from other aluminum wheel tires.*

Jacking

- 1-Slacken the wheel's four nuts using a wheel brace.
- 2-Fit the wheel brace to the jack wrench, put its ending hook into the jack ring, and turn it counter-clockwise to raise it.
- 3-Remove the wheel top nut and fit central nipple.
- 4-Raise the vehicle until it detaches the ground.
- 5-Unscrew other three nuts and remove the wheel.

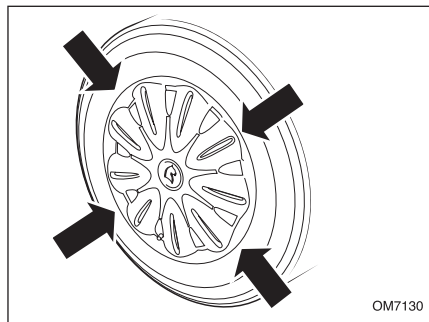
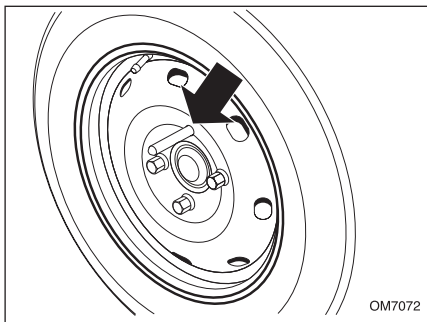


Warning

Never work beneath the car when the jack is the only support. Jack is only for replacing the wheel.

* If equipped

TIRE CHANGE



5

- Use the centralizing tool as a guide to place the wheel.
- Screw the three other bolts, and tighten the fillet of the fourth one after removing the wrench.
- Tighten all 4 nuts
- Lower and remove the jack
- Tighten all nuts completely in a diagonal sequence.

Put the wheel cover in place so as to keep the valve in reach of hand. Push the edges of the cover to fix it tightly. Put the tools in the box and the wheel in position on the floor, and fasten the strap. Repair the punctured tire as soon as possible and take it back to its place



Caution

- Slight pressure will cause early wear and tear and un-natural heating up of the tires, and will also have many other repercussions on its safe operation:
- Weak performance on the road
- Risk of tire blow out or corrosion of the tire thread
- Tire pressure depends on the vehicle's weight and speed. Adjust the pressure according to the conditions of usage.
- Pay attention, if the tire air throttle cap is destroyed or not tightened properly, it may cause reduction in the air pressure. Always use a throttle cap similar to the original one and tighten it well.



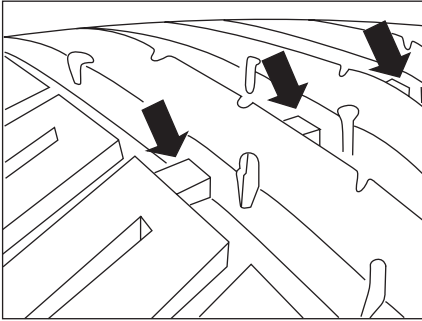
Warning

After a tire change, always check the air pressure and ensure that the wheel nuts are tight.

- If you have a flat tire, change it as soon as possible.

A flat tire should be checked (and if possible repaired) by an expert.

Park your vehicle on an even, non-slippery and sturdy surface (i.e. do not park on ceramic...), (if needed, use a bulkhead under the jack shoe) and turn on the flasher. Pull the hand brake and move the gear from the neutral position. Get all the passengers out of the vehicle and take them to a place away from the traffic.



Tread wear indicator

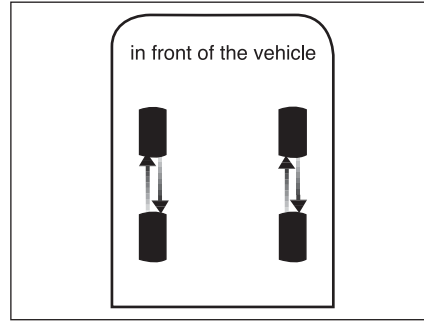
The tires of your vehicle have molded-in tread wear indicators in the grooves. When the indicators appear on the tread surface, the remaining depth of the tread is 1.6 mm or less and the tires should be replaced.

Tires air pressure

Measure the air pressure of the tires at least once per week, when the tires are cold. Under inflation can cause causes heat and reduce the life of the tire. Over inflation can have negative effects on the convenient driving.

Tire size

Your vehicle tire size is molded on its wall as follows:
185/65 R15, in which 185 is the tire width in



mm, 65 is the ration of the tire height to its width, R indicates radial structure and 15 is the diameter of the wheel in inch.

Tire rotations in vehicle

Front tires wear more than rear tires due to braking, driving and steering forces in front wheel drive vehicles. So it is recommended to rotate tires as follows after each 10000 km. to avoid uneven wear of your tires.

Tire inspection

Drive always while considering the situation of the vehicle's tires. Inspect regularly the treads and sidewalls of the tires to find if there is any damage (particularly cracks and nodes).

Puncture

Punctures tire should be taken out and inspected before patching.

To avoid further possible damages to the tire, it should be repaired by skilled person. All repairs should be performed by skilled persons who undertake full responsibility of the repair quality.



Warning

- Damaged tires are dangerous. Avoid driving with damaged, worn or over-inflated tires.
- Use always same type radial tires for front and rear wheels. Never use tires with crisscross pattern. Your vehicles wheels are not for tubed tires. Do not use tubed tires.
- Never drive with worn, cracked and unadjusted air pressure tires. Under-inflated tires are worn rapidly, cause increase of the fuel consumption and decrease of steerability.

BATTERY CARE & MAINTENANCE

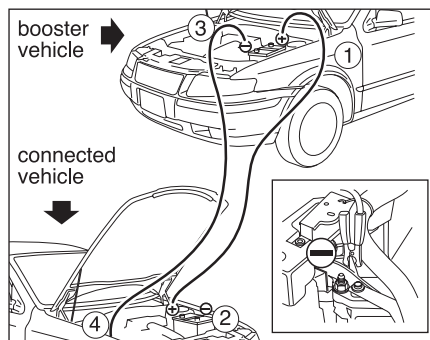


Figure (1)

5

Emergency charge of battery

In case your vehicle is not switched on due to weak or flat battery, start your vehicle by one of the following methods respectively:

A- connecting battery to battery (by booster vehicle)

1- Use only a 12 volt battery to jump start your vehicle, otherwise the wiring system of the vehicle will be damaged which is not covered by the Guarantee.

2- When using a battery installed on another vehicle, **DO NOT LET THE VEHICLES TOUCH**, otherwise short circuit damages the wiring system of vehicle which is not covered by the Guarantee.

3- Turn off vehicle's electrical equipments (audio system, heater, etc.). Switch off the booster vehicle. Make sure both vehicles are set at freewheel, with handbrake on, otherwise there may be damages to electrical equipments which are not covered by Guarantee.

4- Open the engine door of both vehicles and identify the place of negative and positive terminals. If there is not enough light, use flashlight or similar safety illumination.

5- Prepare one couple jump lead (proper thickness and free from any damages or tear). Jump lead is usually made of two thick red and black cables. Connect one end of first jump lead to the positive (+) terminal of the booster battery and the other end of it to the positive (+) terminal of the flat battery.

6- Connect one end of the second jump lead to the negative (-) terminal of the booster battery. Connect the other end of it to an unpainted, heavy metal part (i.e. engine hook) of the vehicle with the flat battery.

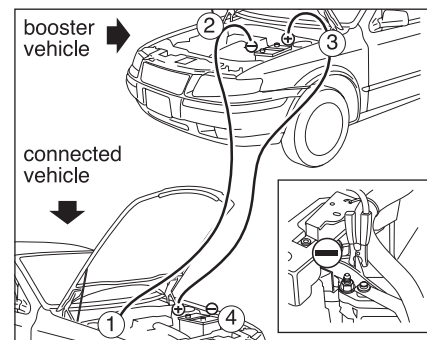


Figure (2)

Make sure the connection leads are away from fuel pipes, brakes and other rotary parts of the both engines.

7- Start the engine of the vehicle with the booster battery. Run the engine at moderate speed.

8- Start the engine of the vehicle with the flat battery. Wait a few minutes to have engine run at moderate speed.

9- Remove the jump leads in the exact reverse order in which you connected them (see. Fig. 2)

B- Charging battery by charging system

First disconnect the battery from vehicle in following steps:

- 1- disconnect negative (-) terminal of the battery
- 2- disconnect positive (+) terminal of the battery
- 3- Open the holder or fastener of the battery and dismantle it.
- 4- To charge the battery, take it to the battery service center. Battery specialists will check it and do necessary actions. Followings should be considered:
 - The battery terminals and clamps of the battery cables should be clean. Disconnect them and clean the sediments.
 - Never disconnect battery when the engine is on.
 - Charge the battery only when its cables are disconnected.
 - If your vehicle is not going to be driven for a long term (one month or longer), disconnect its cables.



Caution

Make sure the voltage of both batteries to be equal (12 V). Leads should have insulated clamps which are suitable for being used with 12 Volt batteries.

If your vehicle is not going to be driven for a long term, disconnect its cables and charge the battery every 4 weeks.

Since the vehicle's start is 12 volt, using a 24 volt battery or two 12 volt batteries will damage the vehicle's electrical systems. So only a 12 volt battery should be used as an auxiliary battery.

- Final voltage of the 12 volt charged battery will be equal to 14.10 – 14.40. Crimping Tool Battery (red) must always be connected to the positive pole. To avoid damage to the alternator, alternator should never be disconnected from the battery.



Caution

In case of disconnecting or changing the battery and E.C.U, the vehicle's engine should be adjusted in one of the authorized dealer of Iran Khodro by pertinent tuner.

Never start your machine if the battery appears to be frozen.

Make sure the voltage of both batteries to be equal (12 V). Leads should have insulated clamps which are suitable for being used with 12 Volt batteries.

Do not disconnect the cables of the flat battery during jump start.

Never connect the positive (+) terminal of the battery to the negative (-) terminal. Make sure to keep the jump leads away from moving parts of the engine.

Do not install non-standard electrical accessories to your vehicle. This may cause damages to your vehicle's electrical system and battery which are not covered by Guarantee.

Your vehicle should not be started by pushing. This starting method could result in cam belt and serious damages to your vehicles electronic systems which are not covered by Guarantee.

BATTERY CARE & MAINTENANCE

Battery care & maintenance

A) Always keep the battery case clean.

B) To prevent the poles from becoming sulfated, cover them in industrial Vaseline or grease.

C) Electrolyte level in summer, at least every 45 days, and in other seasons should be checked once every three months and if the level drops, to recover it by adding only distilled water. Addition of other liquids such as industrial water, sulfuric acid and... will inflict irrecoverable damage to the battery. If in this case, water evaporation volume is more than it should be, the vehicle should be taken to an authorized representative to be checked.

In addition, prevent the battery cells from being left without electrolyte. Since its negative plates will synthesize with the oxygen in the air in a short time and the positive plates will also become sulfated and ultimately the battery will become useless.

Battery safety tips

- Do not bang on the battery poles.
- Prevent short-circuiting of the positive and negative poles with each other.
- Never charge the battery more than the permissible level, since it will damage the battery panels and reduce battery performance and life.
- Ensure the holes made on the battery cover bolt are open otherwise the battery will explode due to the accumulation of gases produced.
- The battery in its place should be tightly installed since strong blows and jolts will damage it.
- Do not keep a charged battery under any circumstances since the battery plates will become sulfated and the battery useless.
- Since producing sparks or bringing flames near the battery will cause battery explosion (due to the hydrogen and oxygen produced), producing such conditions should seriously be refrained from.
- It is recommended not to add any chemical stuff

such as battery tablets, battery vitamins and... to the battery's electrolyte.

- To prevent risk of short circuits, when installing the battery on the vehicle, first connect the positive pole's cable and then the negative pole's cable and when taking the battery out, do this in reverse order (first the negative cable, then the positive cable).
- Ensure that the vehicle alternator and current regulator are working properly.
- Do not add additional electrical equipment to the vehicle without considering the battery capacity.
- If according to the authorized representative's technical expert's opinion, the battery has not been used properly, or prope service and maintenance for it has not been done or battery breakdown is due to a long period of inaction and non-usage, the vehicle battery will not be eligible under the guarantee.

5



Warning

- Under normal conditions, batteries emit hydrogen gas that can explode and cause serious injuries. So, the engine compartment keep away from sparks or flames directly.
- When you work in the vicinity of the moving parts, be careful.
- When it is dark, use flashlights or other lighting device and never use matches or lighters.
- To start the vehicle using battery to battery, be sure to apply mentioned process. Otherwise, it may result in fire, explosion or other damage to the vehicle .
- Over use of the battery causes fire in the vehicle. So, be careful the electrolyte level is not lower than the minimum .
- Keep the battery away from children.

Towing the car

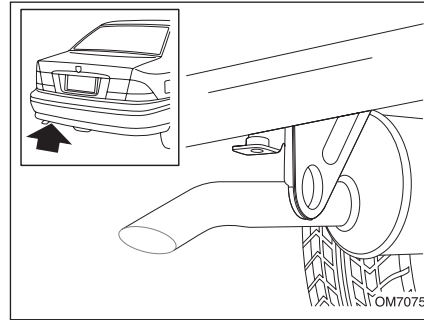
Towing the car with a manual gear box (non-automatic)

Neutralize the gear and turn on the flashers.

Drive carefully and never exceed the speed limit of 50km/hr when being towed

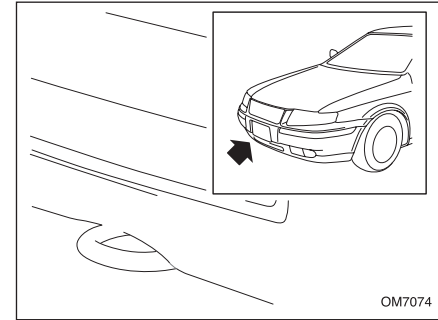
Always keep the tow rope stretched by gently applying the brake as necessary. It avoids impact on the rope and its rupture.

- Get help from experienced persons to carry the car.



Front Towing Ring

Use the ring beneath the front bumper only to tow the car on 4 wheels.



Rear Towing Ring

The rear ring should be used only to tow cars lighter or with the same weight. Do not use the rings for suspending tows (on two wheels)



Warning

- If the engine is off, the hydraulic Steering wheel and brake system, do not operate.
- The vehicle on tow should be always lighter than the towing vehicle.
- The towed vehicle should never have any passengers.
- Remember that the brake servo does not operate when the engine is off, and you need much generator force to operate on the brake pedal.

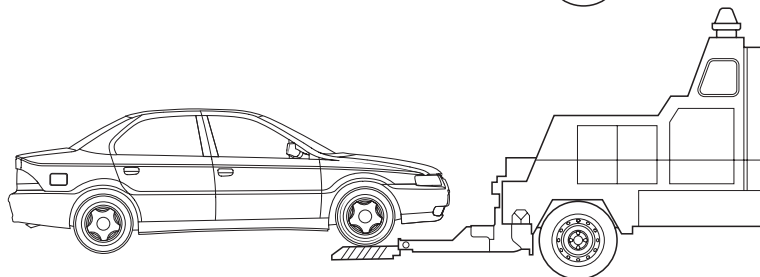
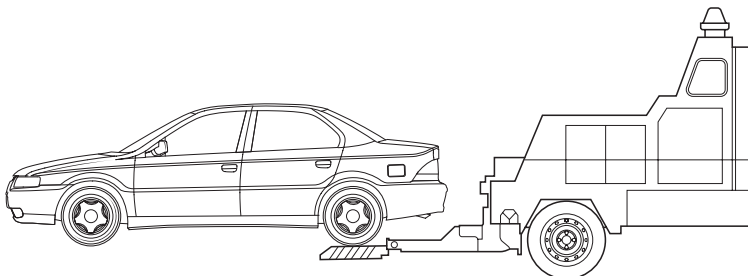
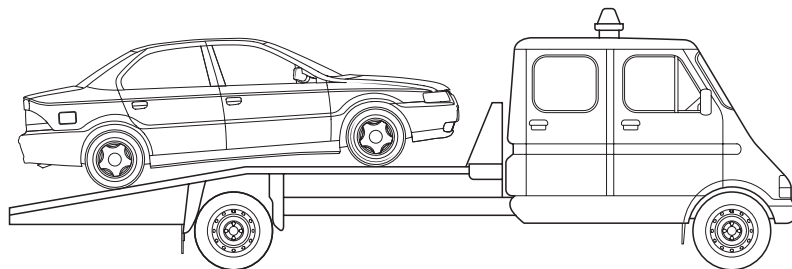


Warning

- Do not take out the start switch or turn it off when the vehicle is being towed on four wheels since this will cause the steering wheel to lock. It is recommended to place the switch in the A position.
- We recommend use of a sturdy and fixed bar when towing the vehicle. If using rope or cable (where it is legal), the towed vehicle should be able to brake (the engine could be turned on).
- Do not tow a vehicle that can not be moved and driven.
- To prevent damage to the vehicle, do not brake violently or speed up suddenly.
- At any rate it is recommended not to let the speed go over 25 km an hour.
- Do not remove or close the starting switch when towing on four wheels, since it will block the steering wheel. Put the switch in A position.

TOWING

5



OM7078

Shipping by Carrier

This type of carrying is the recommended to prevent any accident or damage.

Rear Towing

Avoid suspension towing on front wheels if possible. If it is necessary, tow it at least speed and short distances.

The steering should be locked when the wheels are completely ahead. Use supporting clamps or catches in addition to the steering lock.

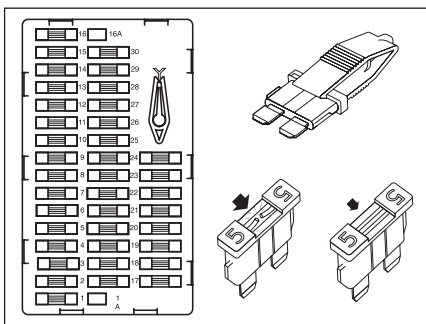
Front Towing

The steering should be locked when the wheels are completely ahead. Use supporting clamps or catches in addition to the steering lock.



Caution

When the car is being towed from the front and moves on back wheels, make sure the handbrake operating on the rear wheels is released.



Fuse box

The fuse box locates in left rear of the engine compartment near to the wiper electromotor. Remove the cover to get access the fuses.

Fuses

Fuses are simple circuit breakers that protect electrical equipment being damaged. The supporting fuse may be burnt whenever electrical equipment does not operate.

Replacing Fuses

1. Turn off the ignition switch and all electrical equipment.
2. Remove the fuse box cover, and then find the defected fuse according to the table.
3. Take out the tweezers(located in the fuse box), and use it to pull out the defected fuse. A blown fuse can be recognized by a break in the wire.
4. Replace a blown fuse with another of the same or lower rating. Be aware that there are a number of spare fuses located along the lower side of the fuse box.



Caution

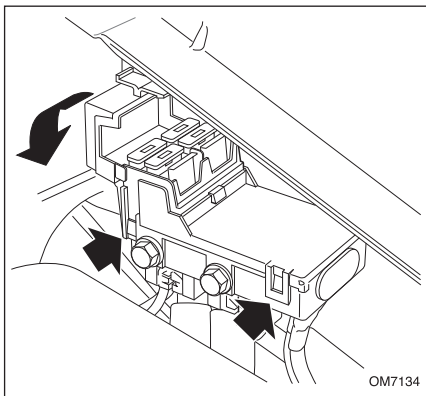
Any modification or change fuel feeding systems (Electronic Control Unit, Wiring, Fuel Circuit, Injectors, Protective covers, etc.) due to the dangers that may threaten you, is strictly prohibited. (Unless by experts in After Delivery Service Network).

FUSES

Fuses	Amper	Function
F1	10 A	Radio & Handsfree*
F2	5 A	Control Unit
F3	5 A	Anti-Lock Brake*
F4	5 A	Beep Sound, Right Indicators & Lamps
F5	5 A	Air Conditioner
F6	10 A	Air Bag / Cruise Contrl*
F7	20 A	Horn
F8	SHUNT	To disconnect all fuses
F9	5 A	Left Indicator Lamps, Number Plate Light
F10	30 A	Electric Rear Window Regulator
F11	30 A	Front Headlights
F12	5 A	Reverse Gear Lights, Rear Sensors*
F13	20 A	Front Fog Tails*
F14	30 A	-
F15	15 A	Door Lights, Courtesy Lights & Electrical Aerial*

Fuses	Amper	Function
F16	20 A	Cigarette Lighter
F17	10 A	Alarm, Anti-Theft , Audio System Memory
F18	10 A	Rear Fog Tails
F19	5 A	Heater/ Display / Radio/ Switch Lights
F20	30 A	Automatic Backrest of Front Seat *
F21	30 A	Blower Relay
F22	10 A	-
F23	5 A	Rear Window Heater Switch
F24	20 A	Wiper Engine/ Wiper Timer / Washer Pump
F25	5 A	Radio/ Clock Memory, Water Ampere (Coolant Temperature Unit)
F26	15 A	Flashers
F27	30 A	Rear Window Heater, Mirror Heater
F28	10 A	Instrument Panel Screen/Digital Clock/ Brake Warning Light
F29	30 A	Electrical Front Window Regulator
F30	10 A	Map Reading Light/ Glove Box/ Vanity Mirror/Electric Mirror*

* If equipped



Owner should not remove or replace fuse connections and all problems should be checked by qualified technicians.

Fuse specification

Fuse	A / F	Fuse function
F31	30A	Fan 1
F32	30A	Fan 2
---	Reserve	Spare Fuse
---	Reserve	Spare Fuse
F33	Shunt	Ignition Switch
F34	Shunt	Main Lamp / Dipped Beam
F35	30A	ABS
F36	30A	ABS

Engine Compartment Fuse Box

The fuse box locates in the right of the engine compartment.

Detach clamps and remove the cover to access the box. Make sure the cover is correctly fitted when replacing the cover.

Warning

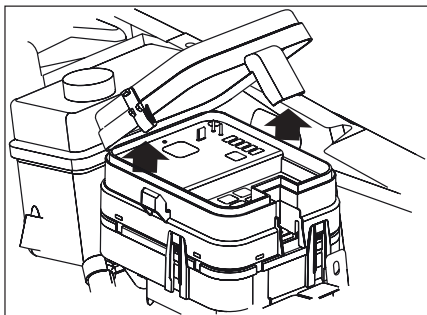
The electrical system of your vehicle is designed standard or optional equipment. Consult an authorized dealer before installing other electrical equipment. Some electrical accessorier or the way in which they are fitted can have damaging effects on the operation of your vehicle; the electronic control circuit units, the audio system circuit or the battery changing circuit. Installing electrical equipment should be carried out by an expert.



Caution

When transporting or when the car is not used, to remove the F34,F33 shaunts that connect the battery to parts consuming electricity, using pliers to avoid discharging battery. Obviously to resume the car you must replace the shaunt.

FUSES



Fuse box of FN*

5

The fuse box locates in the right of the engine compartment.

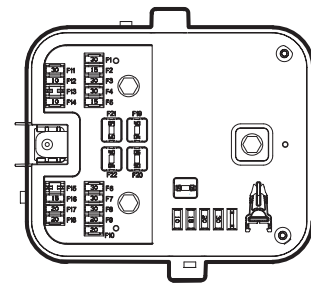
Detach clamps and remove the cover to access the box. Make sure the cover is correctly fitted when replacing the cover.

Vehicle owner must not manipulate the fuses .Any malfunctioning in this part must be checked by authorized person.

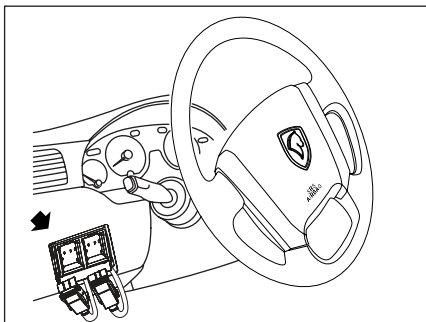
Warning

The electrical system of your vehicle is designed standard or optional equipment. Consult an authorized dealer before installing other electrical equipment. Some electrical accessorier or the way in which they are fitted can have damaging effects on the operation of your vehicle; the electronic control circuit units, the audio system circuit or the battery changing circuit. Installing electrical equipment should be carried out by an expert.

Fuses	Fuses Ampere	Fuses function	Fuses	Fuses Ampere	Fuses function		
F1	30 A	Wiper motor	F11	30A	Horn		
F2	15A	AC compressor	F12	10A	Door feeding node		
		Wiper washer			Alarm feeding		
F3	30A	Double relay 2	F14	10A	ECU		
F4	30A	Double relay 1	F16	15A	Right front fog lamp		
F6	30A	ABS brake 2			Left front fog lamp		
F7	30A	ABS brake 1	F17	20A	Left front indicator		
F8	30A	Fan 1			Left main beam lamps		
		Right mirror heater			Left Night warning lamp		
F9	20A	Right front mirror indicator			F18	20A	Right dipped head lamps
		Right front window regulator	Right front indicator				
		Right front door functioning motor	Right main beam lamps				
		Right mirror motor	Right Night warning lamp				
		Right folding mirror	Left dipped head lamps				
		Right front door light	F19	40A			Central node feeding 2
		Map reading light key	F20	50A			Start feeding
		Door feeding node	F21	60A			Central node feeding 1
		Left mirror heater	F22	40A			Fan 2
		F10	20A	Left front mirror indicator			
Left front window regulator							
Left front door functioning motor							
Left mirror motor							
Left folding mirror							
Left front door light							
Door feeding node							



* If equipped



NODE CCN*

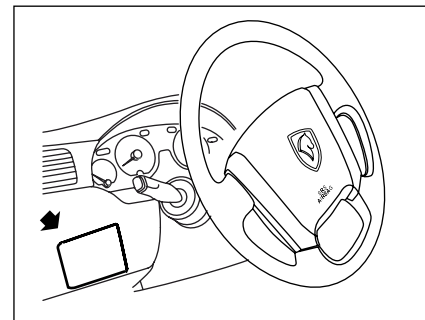
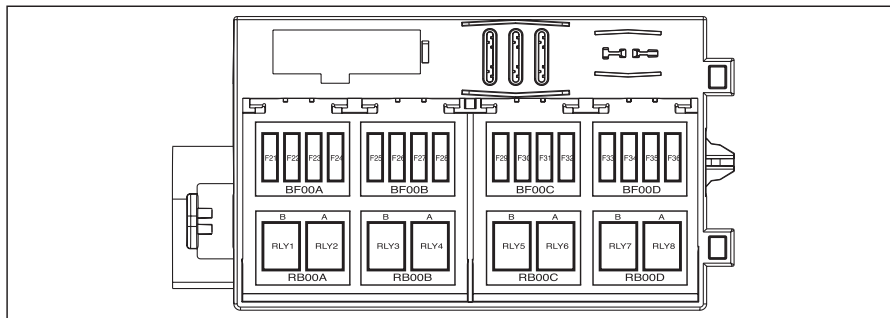
The location of this node is under the steering wheel.

Fuses	Fuses Ampere	Fuses function
F1	20 A	Front seat electricity
F2	10A	Ignition switch 1, 2
		Cruise control electricity
		Brake switch electricity
		Raining sensor electricity
		Radio electricity
F3	20 A	Lighter electricity
F4	10A	-----
F5	30A	Ventilation fan
F6	20 A	Starter
F7	10A	-----
F8	5A	-----
		CCN electricity
		Immobilizer electricity
F9	15A	Right rear indicator
		Left rear fog lamp
		Right rear gear lamp
		Left brake lamp
		Plate lamp

* If equipped

Fuses	Fuses Ampere	Fuses function
F9	15A	Right rear night warning lamp
		Rear window key regulator lamp
		RN electricity
F10	15A	Left rear indicator
		Right rear fog lamp
		Left rear gear lamp
		Right brake lamp
		Rear & front roof lamp controlled by doors
		Left rear night warning lamp
		RN electricity
F11	30A	Electrical motivator of boot
		Electrical motivator of rear doors
		Electrical motivator of petrol tank
		Rear door & boot lamp
		Rear & front roof lamp in permanent position
F12	20 A	-----
F13	30A	Rear window & mirror heater
		Left rear electrical window regulator
		Right rear electrical window regulator
F14	15A	Radio & memory of radio
		Diagnostic connector electricity
F15	5A	-----
		Raining sensor
		Instrument panel light & central consul
		Map reading lamp, Glove box lamp vanity mirror & electrical mirror
		CCN electricity
		Rear window heater & mirror heater key lamp
		Flasher key lamp
		Central lock key lamp
		Electrical motivator of boot key lamp
		FN electricity
ICN electricity		
F16	5A	ICN memory
		Diagnostic connector electricity after switch
		Ignition switch 2,3
F17	10A	ABS electricity
		Air bag

FUSES



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Fuses guide table (cabin)

Fuse No.	Rating	Fuses function
F21	20 A	Electric Seat Supply
F22	10A	Main switch supply (position 2) air bag unit and air conditioning system
F23	10A	Main switch supply (position 1) lighter
F24	10A	Main switch supply - position 1 (motivation of heater relay - Radio, brake, light, front node, central node and instrument panel), Motivation of Glass Heater Relay
F25	10A	Radio permanent supply
F26	20A	Central node supply
F27	20A	Central node supply
F28	30A	Central node supply and motivation of rear door motive relay
F29	30A	Rear Lifting Window
F30	30A	Central node supply (Front lifting window)
F31	30A	Rear window heater
F32	30A	Heater fan supply
F33	30A	Engine ignition
F34	10A	Main switch supply (position 2) immobilizer, diagnostic connector, instrument panel, cooler gas pressure sensor, engine unit
F35	5A	Main switch supply (position 2), Anti-brake system (ABS)
F36	10A	Immobilizer permanent supply, diagnostic connector, instrument panel

FUSE BOX AND DASHBOARD RELAY*

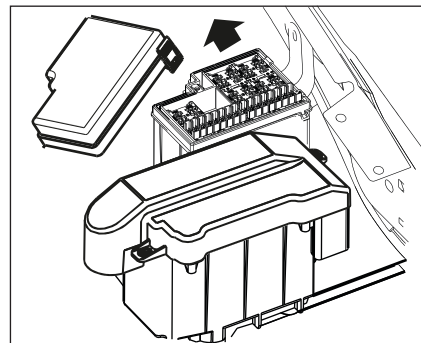
The fuse box is located under the dashboard on the left. To open, pull the fuse box cover to the front.

Relay No.	Relay Function	Rating - type
RLY1	----	----
RLY2	Trunk Lid Electric Actuator	Contact 1 - 30A
RLY3	Mirrors and rear window heater	Contact 1 - 30A
RLY4	Ventilation Fan Relay	Contact 1 - 30A
RLY5	Rear Lifting Window (Left)	Contact 2 - 30A
RLY6	Rear Lifting Window (Left)	Contact 2 - 30A
RLY7	Rear Lifting Window (Right)	Contact 2 - 30A
RLY8	Rear Lifting Window (Right)	Contact 2 - 30A

* If equipped

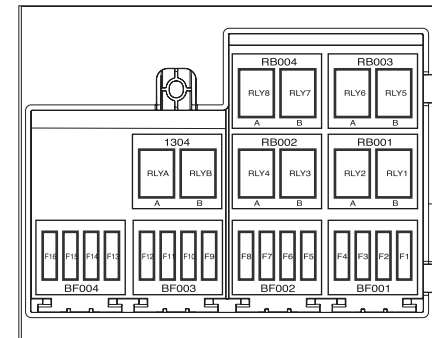
Fuses Guide Table *

Fuse No.	Rating	Fuses function
1	40 A	Electric supply for ignition switch
2	30A	Relay switch for fog lamp/horn
3	40A	BCM Inside systems electric connection supply
4	30A	BCM Inside systems electric connection supply
5	40A	Fan (High speed)
6	30A	Fan (Low speed)
7	30A	Brake (ABS)
8	40A	Brake (ABS)
9	----	Reserve
10	20A	Front node supply
11	15A	Front node supply
12	30A	Front node supply windshield wiper and relay for windshield washer pump
13	----	Spare
14	30A	Double relay supply
15	10A	Fuel pump supply
16	10A	Engine unit supply
17	----	Reserve
18	----	Reserve
19	----	Reserve
20	----	Reserve



Relays Guide Table *

Relay No.	Relay Function	Rating - type
RLYa	Relay switch for engine control	30A-1Contact
RLYb	Relay switch for fuel pump	30A-1Contact
RLY1	Relay switch for fog lamp	30A-1Contact
RLY2	Relay switch for horn	30A-1Contact
RLY3	Relay switch for windshield wiper	30A-2Contact
RLY4	Relay switch for windshield wiper	30A-2Contact
RLY5	Relay switch for fan (high speed)	40A-2Contact
RLY6	Relay switch for fan (low speed)	30A-1Contact
RLY7	Relay for fan	30A - Contact 2
RLY8	Relay for windshield washer pump	30A - Contact 1



Engine Compartment Fuse box *

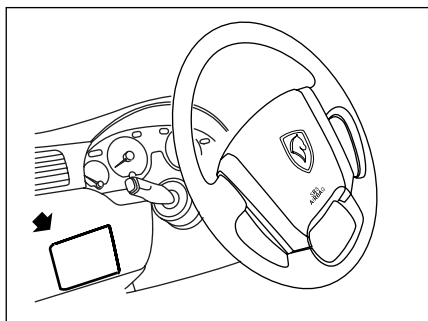
Fuse box is in the right part of the engine compartment. To access the fuse located in the engine compartment, unclip the fuse box cover. Close the fuse box cover carefully when you have finished.

Vehicle owner shall not tamper fuse connection. Any problem in this part should be checked by authorized experts.

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* If installed in your car

FUSE GUIDE TABLE AND RELAY IN THE CUBINE



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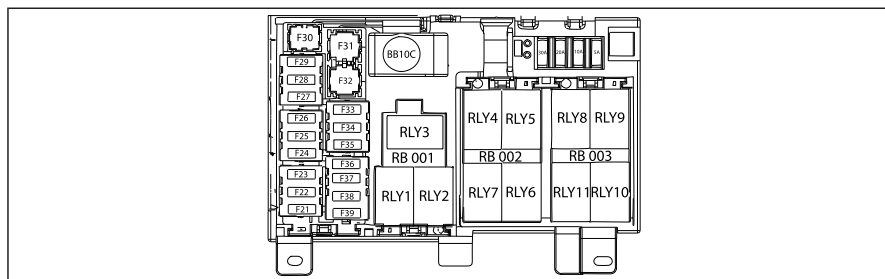
Fuse box and dashboard relay*

Fuse box is located under the dashboard on the driver's left. To open the fuse box, pull its door forward.

Relay table guide

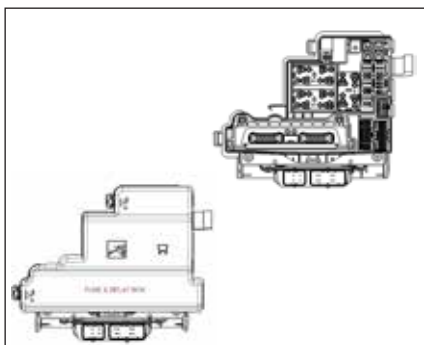
Circuitry - Type	Function Relay	Relay No.
30A-2CONTACT	Electrical motivator of boot	RLY1
30A-1CONTACT	Rear window heater & mirrors	RLY2
35A-1CONTACT	Electric actuator of heater fan	RLY3
30A-2CONTACT	Rear Lifting Window (left)	RLY4
30A-2CONTACT	Rear Lifting Window (left)	RLY5
30A-2CONTACT	Rear Lifting Window (Right)	RLY6
30A-2CONTACT	Rear Lifting Window (Right)	RLY7
*****	Reserve	RLY8
*****	Reserve	RLY9
*****	Reserve	RLY10
*****	Reserve	RLY11

*If equipped



Fuses table guide

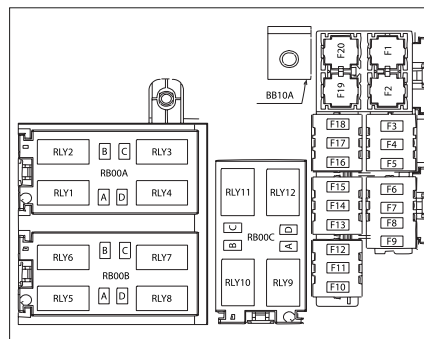
Fuse No.	Circuitry	Function
F21	RES	*****
F22	RES	*****
F23	RES	*****
F24	30A	Power seat feeding
F25	30A	Rear Lifting Window Supply
F26	10A	Permanent feeding of radio
F27	20A	Feeding of central node
F28	20A	Feeding of central node
F29	30A	Central node supply and actuator of relays for trunk lid and opening front door (left)
F30	RES	*****
F31	30A	Rear glass heater
F32	40A	Feeding heater fan
F33	RES	*****
F34	10A	Main switch supply-position first (actuator of relays for heater fan and rear heating window, the driver's door node, sunroof, Instrument panel, front node)
F35	20A	Main switch feeding - first position (Lighter)
F36	10A	Main switch supply-position 2 (Anti-brake system-ABS, Immobilizer, Instrument panel, Diagnostic connector, Brake switch)
F37	RES	*****
F38	10A	Main switch feeding - position two (central node, Ventilation System)
F39	10A	Main switch supply- position 2 (Motor unit, Gas pressure sensor cooler)



Engine Compartment Fuse Box*

Fuse box is in the right part of the engine compartment. To access the fuse located in the engine compartment, unclip the fuse box cover. Close the fuse box cover carefully when you have finished.

Vehicle owner shall not tamper fuse connection. Any problem in this part should be checked by authorized experts.



Relay table guide

Rating - type	Relay Function	Relay No.
30A-1CONTACT	Relay Fan (Low speed)	R1
40A-1CONTACT	Relay Fan (Low speed)	R2
30A-1CONTACT	Relay for windshield washer pump	R3
30A-2CONTACT	Relay Fan	R4
30A-2CONTACT	Relay for windshield wiper	R5
30A-2CONTACT	Relay for windshield wiper	R6
30A-1CONTACT	Relay for front fog lamp	R7
30A-1CONTACT	Relay for Horn	R8
30A-1CONTACT	Relay for fuel pump	R9
30A-1CONTACT	Relay for engine control	R10
*****	Reserve	R11
30A-1CONTACT	Relay for Day- Running Light (DRL)	R12

Relays Guide Table*

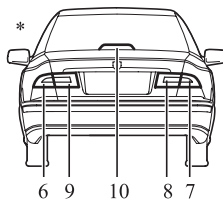
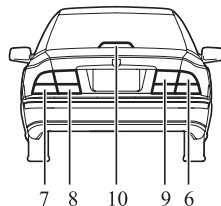
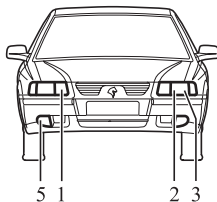
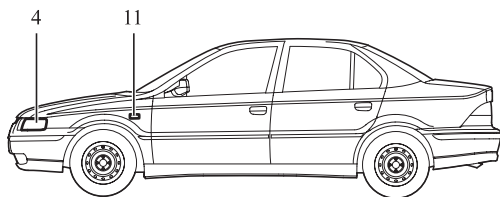
Relay No.	Relay Function	Rating - type
F1	30A	Starter Supply
F2	40A	Electrical feeding for Starting Switch
F3	10A	Front Fog Lamp
F4	5A	Relay supply for Day-Running Light (DRL)
F5	10A	Permanent supply for engine unit
F6	10A	Feed the engine unit
F7	10A	Feed the engine unit
F8	5A	Feeding Bobin for front fan
F9	5A	Feed the engine unit
F10	10A	Feeding the relay for petrol pump
F11	30A	Feed the engine relay
F12	10A	Instrument panel supply, Diag, Immobilizer
F13	30A	Feed the Anti-Brake System (ABS)
F14	20A	Feed the horn relay
F15	30A	Cabin node supply, Front lifting window
F16	30A	Relay supply for windshield wiper and windshield washer pump
F17	15A	Front node supply
F18	20A	Front node supply
F19	40A	Relays supply for fan (High and low speed)
F20	40A	Feed the Anti-Brake System (ABS)

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*If equipped

CHANGING LAMPS

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OM7100

Lamp	Watt
1- Headlamp-Main Beam	55
2- Headlamp-Dipped Beam	55
3- Front position light (small)	5
4- Front Direction Indicator	21
5- Front Fog Lamp*	55
6- Brake light (Danger) and Rear position lamp	21/5
7- Rear Direction Indicator	21
8- Reversing Lamps	21
9- Rear Fog Lamp	21
10- High Mounted Brake Lamp (Third Stop Brake Lamp)	21/5
11- Side Repeater Lamp	5
12- Trunk Lid Lamp	5
13- Dashboard Lamp*	5
14- Vanity Mirror Lamp*	5
15- Study Lamp*	5
16- Door Lamp*	5
17- Plate Lamp	5

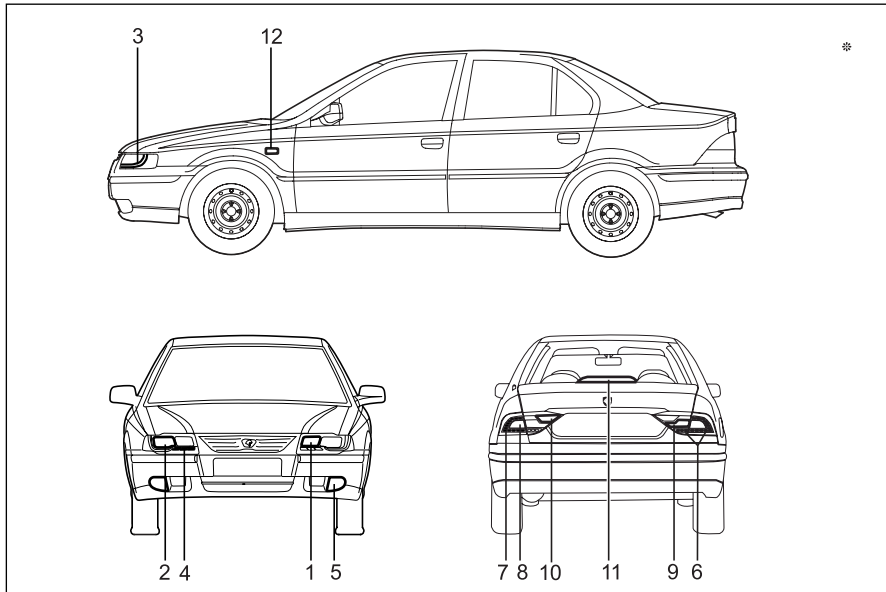


Warning

Check the performance of all external lights before driving. To replace the faulty lamps, switch off the relevant lamp for preventing short circuit.

* If equipped

CHANGING LAMPS



5

Lamp	Watt
1-Headlamp-Main Beam	55
2-Headlamp-Dipped Beam	55
3) Front position light (small) Day-Time Running Light (DRL)	LED
4- Front Indicator Light	LED
5- Front Fog Lamp	55
6- Rear position lamp	LED
7- Brake Light/Rear Light (Danger)	LED
8- Rear Direction Indicator	21
9- Reversing Lamps	21
10- Rear Fog Lamp	21/5
11- High brake light (Rear niche)	5
12- Side blinking light	5
13- Trunk Lid Lamp	5
14- Dashboard Light*	5
15- Vanity Mirror Lamp*	5
16- Study Lamps*	5
17- Door Light*	5
18- Plate Light	5

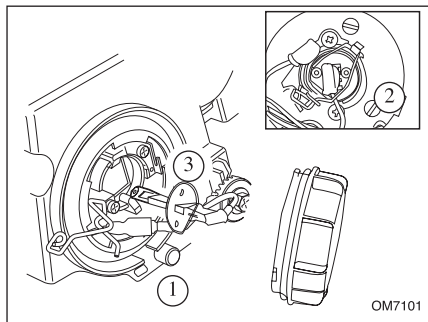


Warning

Check the performance of all external lights before driving. To replace the faulty lamps, switch off the relevant lamp for preventing short circuit.

* If installed in your car
** LED lights are not interchangeable.

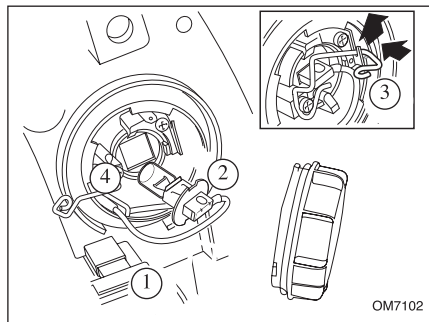
CHANGING LAMPS



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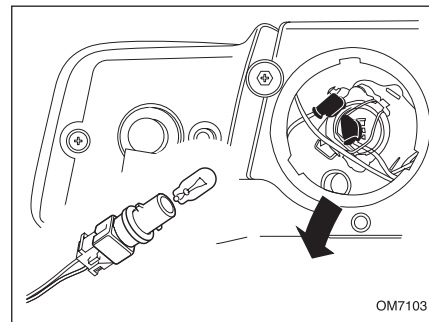
Front Lamp / High beam

- 1- Unscrew the cover
- 2- Press the spring clamps inward, and lift it up to release.
- 3- Remove the bulb.
- 4- Disconnect the connector.
- 5- Without touching the glass bubble and with a clean cloth, replace the new bulb in direction of the positioning grooves and fit the retaining clamp.
- 6- After inserting the electrical connection, fit the cover in its place.



Front Lamp / Dipped beam

- 1- Unscrew the cover
- 2- Disconnect the connector
- 3- Release the spring clamps.
- 4- Without touching the glass bubble and with a clean cloth, replace the new bulb in direction of the positioning grooves and fit the retaining clamp.
- 5- Fit the connector at the back of the bulb.
- 6- Fit the cover in its place.



Small bulbs*

Connector of the small bulbs is located beneath the high beam lamp, inside the lamp body.

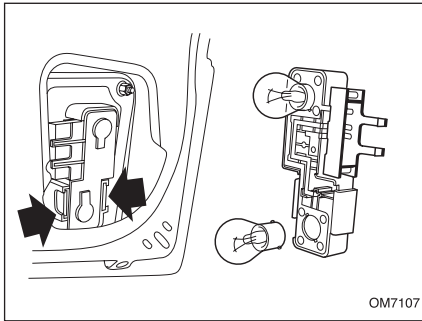
- 1- pull out the lamp and its base.
- 2- Disconnect the base from the bulb.
- 3- Press the new bulb in the base then insert the combination of bulb and base in its own location.



Warning

All the bulbs are vacuumed and maybe broken at the time of changing them and subsequently cause the wound.

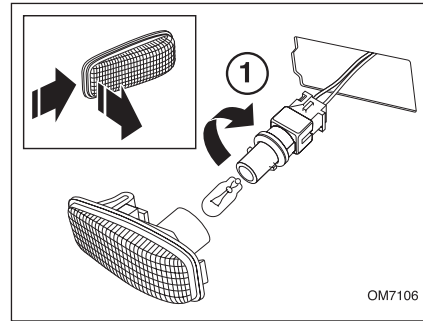
* LED lights are not interchangeable.



Reverse Gear and Rear Fog Lamps*

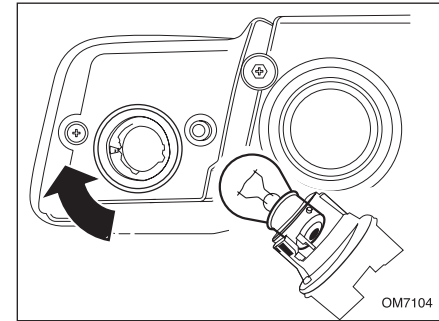
Unlock the trunk lid, if there is a frame, and push the two plastic jag towards inside and remove the holder.

Lamps have bayonet fittings. Push towards inside and turn counter clockwise to remove. Replace the lamp and refit the holder.



Side Repeater Lamps

Push the light assembly frontward, and pull it out to remove. Hold the light cover carefully and turn the lamp holder. Remove the lamp from the holder and replace it. Put back the holder and turn it to fit. Replace the light assembly.



Front Direction Indicators**

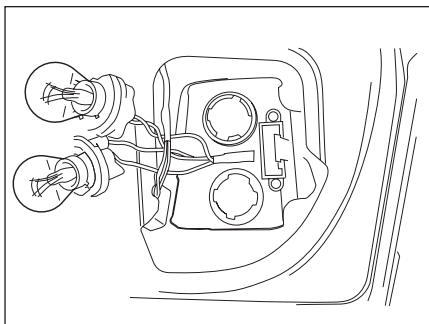
Turn the holder counter clockwise to become released, and remove it. The holder is of a bayonet type. Press it inward then turn counter-clockwise to remove. Replace the bulb.

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* If installed in your car

** LED lights are not interchangeable.

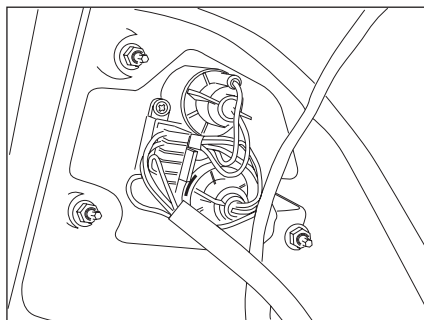
CHANGING LAMPS



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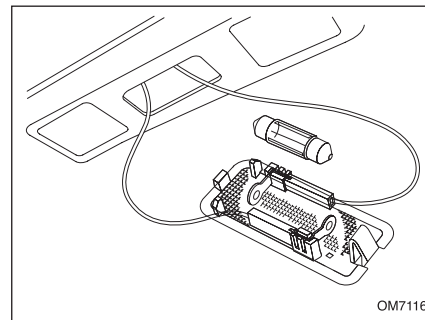
Reverse Gear & Rear Fog Lamps*

Unlock the trunk lid, turn the holder counter-clockwise to release and remove it. Lamps have bayonets. Push towards inside and turn counter clockwise to remove. Replace the lamp and refit the assembly.



Rear Direction Indicator & Rear Brake Lamps**

From the trunk turn the holder counter-clockwise to release, and then remove. Lamps have bayonets. Push towards inside and turn counter-clockwise to remove. Replace the lamp and refit the assembly.



Trunk Lid Lamp (Loadspace Light)

Insert a screwdriver carefully into the light rear slot. You can access the bulb by removing the transparent lid. Detach the bulb from two connection points. Replace the bulb, and refit the lamp.

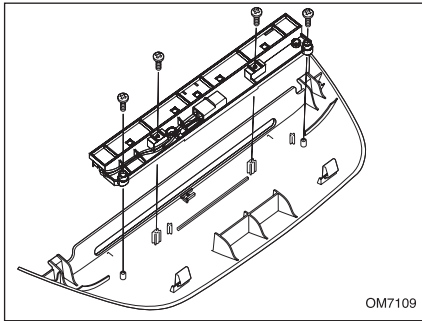


Warning

All the bulbs are vacuumed and maybe broken at the time of changing them and subsequently cause the wound.

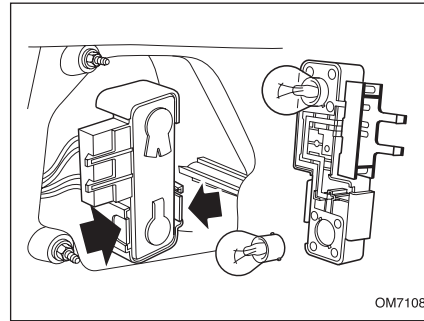
* If installed in your car

** LED lights are not interchangeable.



High mounted stop lamp

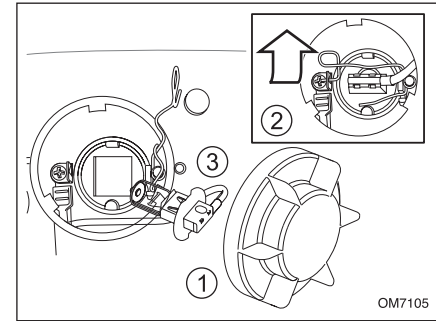
Lift the rear part of the light cover, and pull it out of the rear shelf. Remove the connector. Turn the bulb to reach the holder four supporting screws. The assembly should be completely replaced. Refit the new assembly, and reconnect. Before fitting the rear clamps, make sure that front clamps are engaged.



Rear direction indicator / Brake lamps**

From inside the luggage compartment if there is a frame, and press the two plastic longues to release and remove the bulb holder. to release and remove the lamp. Lamps have bayonets. Push towards inside and turn counter clockwise to remove.

Replace the lamp and refit the assembly.



Front fog lamp*

You can access the front fog tail through beneath part of front set.

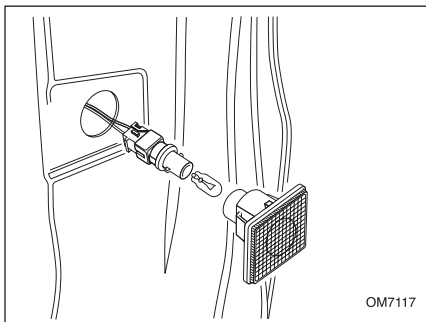
- 1- Unscrew the cover
- 2- Press in the spring clamps, and lift it up to release
- 3- Remove the bulb, and disconnect the connector
- 4- Fit the connector, and place the new bulb without touching the bulb glass.
- 5- Align the bulb and the guide, and place the spring clamps
- 6- Refit the cover
- 6- Screw the cover.

5

* If installed in your car

** LED lights are not interchangeable.

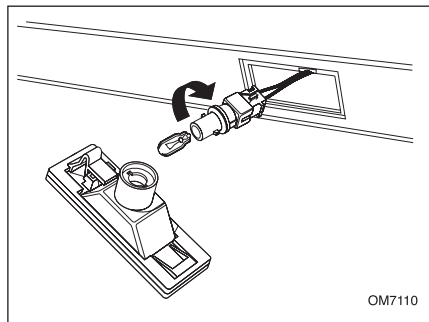
CHANGING LAMPS



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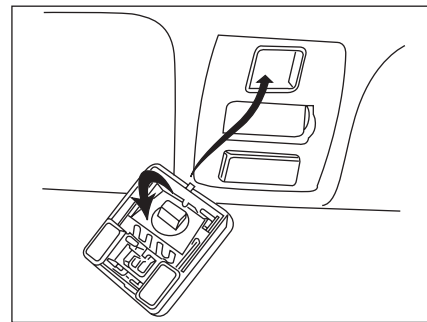
Door light*

Pull out the light carefully from the door. Turn the holder, and remove it. Detach the bulb from the bulb holder, and replace a new one.



Number plate light

Push the light to the left, and turn it down to remove. Turn the bulb holder, and take it out and replace a new one.



Map reading lamp (Middle)

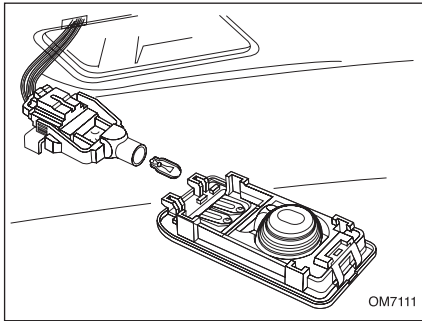
To replace a map reading lamp, turn the screws of the light cover. Remove the cover and loose the connector. Turn the bulb anti-clockwise and remove it. After replacing the bulb, refit the lamp.



Warning

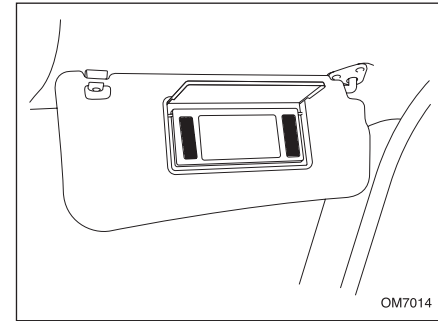
All the bulbs are vacuumed and maybe broken at the time of changing them and subsequently cause the wound.

* If equipped



Front/Rear Courtesy Lamp *

Insert a screwdriver carefully in the rear slot of the light, and lever to remove from the holder. Hold the light assembly, and open the holder. Take out the bulb, and replace it. Make sure that the holder is tightly placed, and then install the light assembly.



Vanity Mirror Lamp*

The bulb cannot be replaced. Buy a new replacement sunvisor from an authorized dealer.

5





Warning

All the bulbs are vacuumed and maybe broken at the time of changing them and subsequently cause the wound.

* If equipped

6 TECHNICAL INFORMATION

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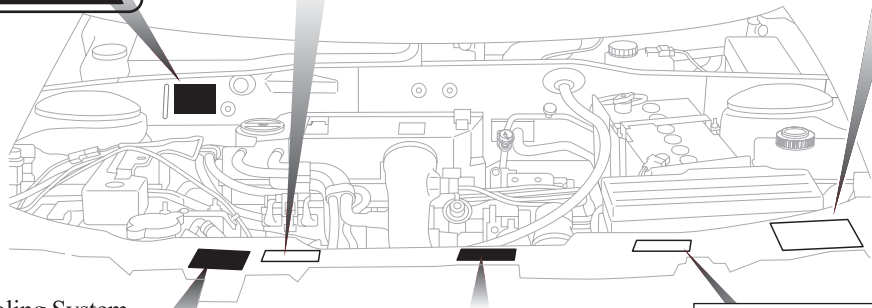
 IRAN KHODRO(PUBLIC STOCK COMPANY) 	
Type Approval	
Chassis	
Pay Load	GVW
Axle 1	Axle 2
System	Year
Type	
Engine	
Cab	
Capr. (D + P)	Color

انتبه:
 اذا تم فتح أو تعديل أي قطعة من نظام التبريد (عدا غطاء المبرد) يجب ان تتم عليه سحب الهواء في مركز الصيانة المعتمد، حسب التعليمات

توجه:
 چنانچه هر قطعه ای از سیستم خنک کننده (بغیر از در رادیاتور) باز یا تعویض شود، بایستی هواگیری مجددا توسط تعمیرگاههای مجاز مطابق دستورالعمل انجام پذیرد.

NOTE:
IF ANY PART OF COOLING SYSTEM IS OPENED OR REPLACED (EXCEPT RADIATOR CAP) THE AIR BLEEDING ACTION HAS TO BE PERFORMED BY AUTHORIZED SERVICE DEALER , ACCORDING TO THE INSTRUCTION.

توجه	کابل مثبت باتری رفور رنگی باید همیشه به قطب مثبت باتری وصل باشد. برای اجتناب از خسارت به آلترناتور همیشه آلترناتور نباید بدون اتصال به باتری کار نماید.
ATTENTION ALTERNATEUR	IMPORTANT La cosse + rouge doit toujours être branchée a la borne+de la batterie L'alternateur ne doit jamais tourner sans être connecté a la batterie, sous risque de détérioration
CAUTION ALTERNATOR	IMPORTANT The + red cable stop should always be connected to the battery + terminals. To avoid damage the alternator should never turn without being connected to the battery
ACHTUNG WECHSELSTROM GENERATOR	SEHR WICHTIG Der rote Kabelschub + muss immer am Pluspol der Batterie angeschlossen sein. Der Wechselstromgenerator darf niemals drehen, ohne An der Batterie angeschlossen sein. Bei Nichtbeachtung tung Zerstörunggefahr.



Pressurized Cooling System

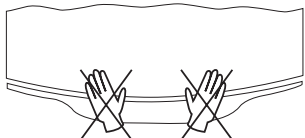
توجه	از باز نمودن درب رادیاتور تا یک ساعت پس از خاموش شدن موتور اجتناب نمایید.
ATTENTION	CIRCUIT DE REFROIDISSEMENT PRESSURISE NE PAS OUVRIR DANS L'HEURE SUJVANT L'ARRET DU MOTEUR
ACHTUNG	KÜHL SYSTEM UNTER DRUCK NACH ABSTELLEN DES MOTORS EINE STUNDE LANG NICHT OF FNEN
CAUTION	PRESSURIZED COOLING CIRCUIT DO NOT OPEN DURING ONE HOUR FOLLOWING ENGINE CUT-OFF
ATENCIÓN	CIRCUITO DE REFRIGERACIÓN PRESURIZADO NO ABRIR DURANTE LA HORA QUE SIGUE LA PARADA DEL MOTOR
تنبیه	واشر و تیر به طالع الخط لا تقفوا في أثناء الساعة التي تتبوا انقاف الحماهر



تنبیه:
 مکيف هذه السيارة يحتوى على غاز **R134A**

ATTENTION:
THE AIR CONDITION SYSTEM IN THIS VEHICLE IS CHARGED BY R134A

*** ملاحظه ***

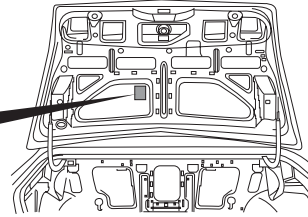


لا طباق غطاء المحرك يترك من ارتفاع ٣٠ سم و يجب ان لا يدفع الى الاسفل

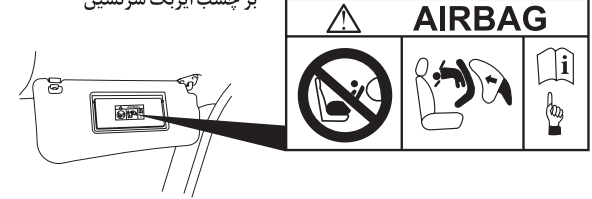
IN ORDER TO LOCKING THE ENGINE HOOD, RELEASE IT IN A TITUDE OF 30 cm AND NEVER PUSH IT DOWN

2 BAR 29 P.S.I	رانندگی در شهر و حومه CITY AND ENVIORNS DRIVING	فشار باد چرخهای جلو FRONT WHEEL TYRES PRESSURE
2.1 BAR 31 P.S.I	رانندگی در اتوبان FREEWAY DRIVING	
2 BAR 29 P.S.I	رانندگی در شهر و حومه CITY AND ENVIORNS DRIVING	فشار باد چرخهای عقب REAR WHEEL TYRES PRESSURE
2.3 BAR 33 P.S.I	رانندگی در اتوبان FREEWAY DRIVING	
2.1 BAR 31 P.S.I	رانندگی در شهر و حومه CITY AND ENVIORNS DRIVING	
2.4 BAR 35 P.S.I	رانندگی در اتوبان FREEWAY DRIVING	

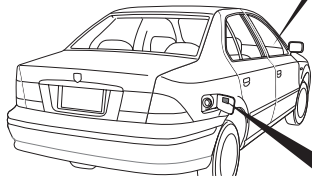
توجه: فشار باد تایرها را فقط هنگام سرد بودن میوزان کنید
ATTENTION: AIR PRESSURE MUST BE ADJUSTED IN COLD CONTITION



بر چسب ای‌یرگ سر نشین



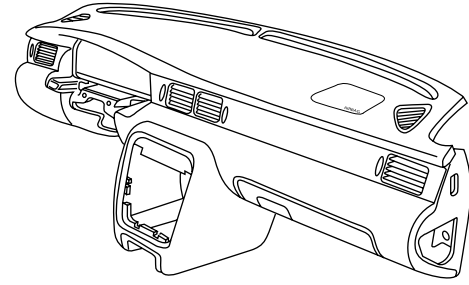
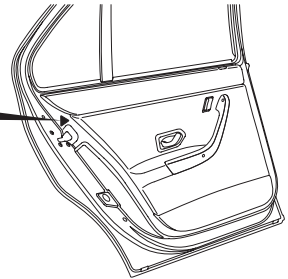
برچسب مصرف سوخت (میلودیزاین) تاریخ تصویب ۱۳۹۱	
مدل خودرو: شاه افروز	کلاس: سدان
سازنده: شرکت افروز	بر اساس استاندارد: SAE J1363 (2011)
مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر	مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر
مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر	مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر
مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر	مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر
مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر	مصرف سوخت ترکیبی: ۱۱.۵ لیتر/۱۰۰ کیلومتر



فقط بنزین بدون سرباره با اکتان ۹۵
مجاز است. استفاده از افزودنی‌ها ممنوع است.
فقط بنزین بدون سرباره با اکتان ۹۵
مجاز است. استفاده از افزودنی‌ها ممنوع است.
فقط بنزین بدون سرباره با اکتان ۹۵
مجاز است. استفاده از افزودنی‌ها ممنوع است.

**ONLY UNLEADED GASOLINE
WITH AN OCTANE NUMBER
OF 95 OR HIGHER
ANY KIND OF ADDITIVES
ARE FORBIDDEN**

بر چسب VIN





IDENTIFICATIONS

Identification numbers

It is necessary to announce the corresponding number (VIN) if you contact to the authorized dealer regarding the engine or the gearbox.

Vehicle Identification number (VIN)

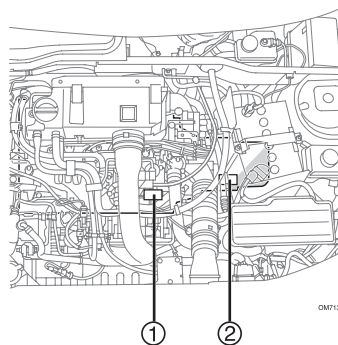
The plate with identification numbers stamped on its surface locates in the engine compartment on the upper partition panel.

 IRAN KHODRO(PUBLIC STOCK COMPANY) 	
Type Approval	
Chassis	
Pay Load	GVW
Axle 1	Axle 2
System	Year
Type	
Engine	
Cab	
Capt(D + P)	Color

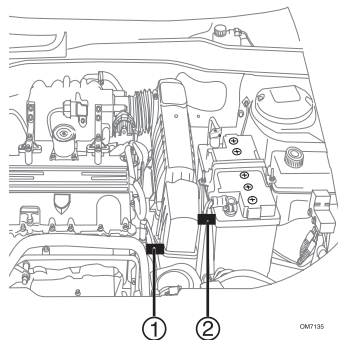
1. Engine number: Stamped horizontally in front of the cylinder block

2. Gearbox number: Engraved on a plate in front of the gearbox housing

XU7JPL3



EF7NA



Specification \ Engine	EF7NA 1/7i	XU7JPL3 1/8i
Cubic Capacity (cc)	1645	1761
Combustion Order	1-3-4-2	1-3-4-2
Idle Running	750 rpm	850 rpm
Cylinder Bore	78.6 mm	83 mm
Piston Stroke	85 mm	81.4 mm
Number of Cylinders	4	4
Number of Valves	16	8
Compression Ratio	11 ± 02:1	9.3:1
Transmission	BE 3/5	BE 3/5
Max. Engine Power (Gasoline Mode) Max. Engine Torque (Gasoline Mode)	6000 rpm @ 113hp 3500 - 4500 rpm @ 155NM	6000 rpm @ 100hp 3000 rpm @ 153nm
Fuel Octane No.	95	95
Max. Engine Power(CNG Mode)* Max. Engine Torque(CNG Mode)	6000 rpm @ 100 hp 3500 - 4500 rpm @ 136NM	85 hp -

* If installed in your car

ENGINE TECHNICAL INFORMATION

CAPACITIES	
Gasoline Tank	66 liters
CNG Tank	75/100*
Engine Oil (and filter)**	4.9 10 W 40 SJ/SL 4.75 20 W 50 SL / SJ
Gearbox (Dry)	1.9 liters
Cooling System (Dry)	6/6 liters (Glycol/ in the ratio of 46% to 54% antifreeze and water
Cooling System (Dry), Engine EF7	7486cc (Glycol/ in the ratio of 46% to 54% antifreeze and water
Washer Reservoir	3.4 liters
Window washer fluid	Iseo-propanol solution in the ratio of 17% to 83% glass washing/water (summer) in the ratio of 44% to 56% glass washing/water (winter)
Power Steering Fluid Type (Hydraulics)	1.2 liters (ATF Dexron II-D Oil)
Brake Oil	0.48 liter (Regular) (DOTA4) 0.52 liter (ABS) (Bendix 55 Peugeot)

**In case of using SJ oil or 20W50 SL oil, the change will be at 10000 km.

* If equipped

Note: It's recommended to use the approved brands and packages, offered by the Isaco.

BATTERY TYPE		
Battery	Type: SSB/ SMF	
Voltage	12 v	
Charging Circuit	Alternator	
AIR CONDITIONER(A/C)		
A/C Gas	R-134 a	
WHEEL & TIRES		
Wheels	Aluminum* 6.5 J15 \ Steel 6J15	
Tires	185/65R15	
ADJUSTMENT		
Tire Pressure	Front	Rear
(Inter-) Urban Driving/ Mixed Driving	2 bar (29 psi) 2/2 bar (32 psi)*	2 bar (29 psi) 2/2 bar (32 psi)*
Freeway Driving	2/1 bar (31 psi) 2/3bar (33psi)*	2/1 bar (31 psi) 2/3bar (33psi)*

TECHNICAL SPECIFICATIONS OF ENGINE OIL SUITABLE FOR EF7**^{*} ENGINE

Allowed type of engine oil (along with standard and qualitative level of oil)	10 W 40 API SJ/SL	
Required capacity of engine oil at the time of changing	With filter	4.9
	Without filter	4.7
Appropriate distance for changing oil	Easy condition	Every 12000 KM
	Hard condition	Every 10000 KM
Oil filter	Cartridge type	
Proper time for changing oil filter	Engine oil replace	
Period for checking level of engine oil.	Oil surface must be checked every 1000 km. Min. quantity of oil (Lower line of Gage)4.45.And Max. quantity of oil (upper line of Gage) 5.2 liter.	
Allowed range of engine oil reduction in ever 1000 km.	0.2 liter (200 cc)	

Important note:

Using of all SAE 20 W 50 oils are not allowed in EF7 engines and are not approved.

Hard conditions are as follows:

Towing, Towing of caravan, Carrying load on rack in long distances, Moving in dusty roads, Frequent traversing of short distances (less than 8 km in every travelling), Traversing of long distances with a monotonous and low speed ,Long period of not using of vehicle.

* If equipped EF7

**It's recommended to use the approved brands and packages, offered by the Isaco.

TECHNICAL INFORMATION

ENGINE	GASOLINE CONSUMPTION		
	XU7JPL3	EF7NA CNG base	EF7 gasoline base
Average consumption (urban & extra-urban) ECER101 Standard	8.34 liters per 100 km	7.54 liters per 100 km	7.49 liters

CNG Fuel Consumption	(EF7) CNG Based Engine
Urban Average fuel consumption	10.77 normal cubic meters
Max. distance traveled with 75-liter CNG tank (Considering the combined cycle)*	256 km

6

* Distance traveled with other tank capacities is different

Fuel consumption

Fuel consumption data are obtained based on the standard and in test rooms under certain conditions of environment, controlled wind speed, road, route and standard driving method and certain weight of the vehicle. These data are only as technical specification of your vehicle for comparison with other vehicles. Increase of fuel consumption in actual driving is normal.

To decrease fuel consumption and obtaining minimum fuel consumption:

- 1- Make sure of the engine proper work by periodical inspection and maintenance (timely replace of the air filter).
- 2- Use proper tires (as per manual book) and adjust the air pressure of the tires
- 3- Drive stress-free and avoid unnecessary acceleration and braking.
- 4- Avoid driving high speed. Optimum fuel consumption is at fixed speed of 90 km/h.
- 5- Take down unnecessary loads.
- 6- Switch off the vehicle when stopping for a long time.

- 7- Plan your urban trip to avoid heavy traffic routes/hours
- 8-Park your vehicle in suitable places in various seasons (confined and away from sun shine areas)
- 9-Use proper low speed gear in down hill gradients and avoid pushing accelerate pedal.

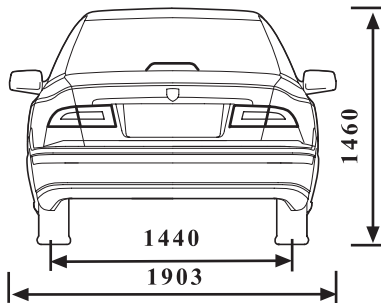
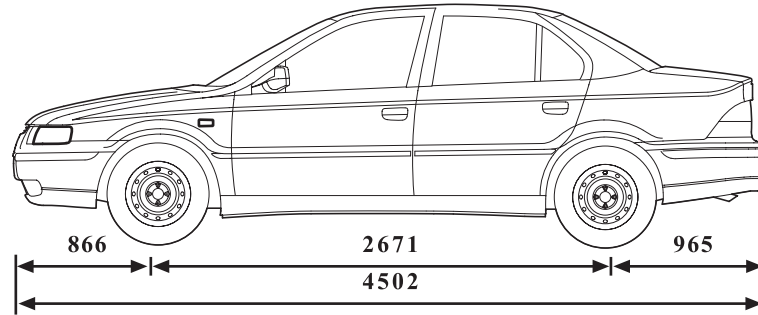
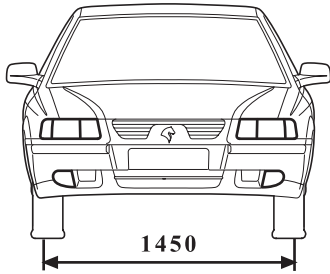
WEIGHTS

SAMAND (KG)				
WEIGH (KG)	ENGINE TYPE	GASOLINE (L3)	GASOLINE EF7	CNG (EF7)
		XU7JPL3(BE3)	EF7	EF7-CNG
Approx. Net Vehicle Weight (without Passenger & Auxiliary Equipments;with a Full Tank		1220	1240	-----
Maximum Gross Vehicle Weight; with Full Tank, 75 Liter Volume Gas Tank; without Passenger and Extra Equipment (GVW)*		-----	-----	1344
Maximum Total Weight; with Passanger and Load		1610	1650	1720
Maximum Load on Rear Axel		810	810	920
Maximum Load on Front Axel		900	900	900

6

*Weight are different with other tanks

* If installed in your car



Overall Length	4502 (mm)
Overall width including mirrors	1903 (mm)
Overall height	1460 (mm)
Wheel base	2671 (mm)
Front overhang	866 (mm)
Rear overhang	965 (mm)
Wheels track (Front) Wheels track (Rear)	1450 (mm) 1440 (mm)
Steering wheel turn lock to lock	3.1
Turning circle	11 m
Boot volume	500 Lit. 350 Lit*

* If installed in your car

ANTI POLLUTION

Pollution Control

Your vehicle is equipped with pollution control.

Catalytic Converter

Catalytic converter or Catalyst is used to react on exhausting pollutant to produce least pollution gases. Lead is of the most important factor in breaking or damaging catalyst. So it is necessary to use lead free gasoline.

6



Caution

- Usage of leaded petrol, damages the vehicle engine.
- Ensure that only standard liquid is mixed with the fuel.

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Roads await you ...



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