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HYUNDAI

Owner's Manual

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This Owner's Manual should be considered a part of the car and remain with it when it is sold for the use of the next owner.

OWNER'S I.D.

ORIGINAL:
ADDRESS:
NAME:
STREET:
TOWN:
COUNTRY:
P.CODE:

DATE OF SALE: _____

SUBSEQUENT:
ADDRESS:
NAME:
STREET:
TOWN:
COUNTRY:
P.CODE:

TRANSFER DATE: _____

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)
اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

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RESPONSIBILITY FOR MAINTENANCE

The maintenance requirements for your new Hyundai are found in Section 5. As the owner, it is your responsibility to see that all maintenance operations specified by the manufacturer are carried out at the appropriate intervals. When the vehicle is used in severe driving conditions, more frequent maintenance is required for some operations. Maintenance requirements for severe operating conditions are also included in Section 5.

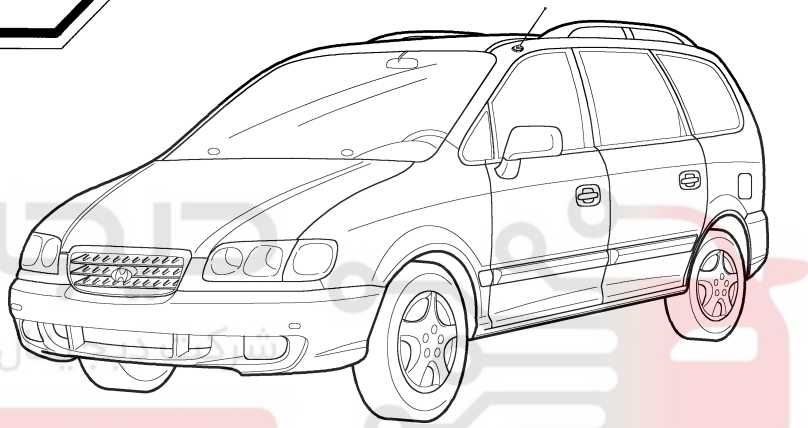
شرکت دیجیتال خودرو سامانه (سهامی خاص)
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HYUNDAI

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OWNER'S MANUAL

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Operation
Maintenance
Specifications

اولین سامانه دیجیتال تعمیرکاران خودرو (مسئولیت محدود)

All information in the Owner's Manual is current at the time of publication. Hyundai reserves the right to make changes at any time as part of our policy of continual product improvement may be carried out.

This manual applies to current Hyundai models and explanations of optional as well as standard equipment are included. As a result, you may find material in this manual that does not apply to your specific vehicle.

Please note that some HYUNDAI models are equipped with Right-Hand Drive (RHD). The explanations and illustrations for some operations in RHD models are opposite of those written in this manual.

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FOREWORD

Thank you for choosing Hyundai. We are pleased to welcome you to the growing number of discriminating people who drive Hyundais. The advanced engineering and high-quality construction of each Hyundai we build is something of which we're very proud.

Your Owner's Manual will introduce you to the features and operation of your new Hyundai. It is suggested that you read it carefully because the information it contains can contribute greatly to the satisfaction you receive from your new car.

The manufacturer also recommends that all service and maintenance on your car be performed by an authorized Hyundai dealer. Hyundai dealers are prepared to provide high-quality service, maintenance and any other assistance that may be required.

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HYUNDAI MOTOR COMPANY

Note: Because future owners will also need the information included in this manual, if you sell this Hyundai, please leave the manual in the vehicle for their use. Thank you.

CAUTION: Severe engine and transaxle damage may result from the use of poor quality fuels and lubricants that do not meet Hyundai specifications. You must always use high quality fuels and lubricants that meet the specifications listed on Page 9-3 in the Vehicle Specifications section of the Owner's Manual.

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CAUTION: MODIFICATIONS TO YOUR HYUNDAI

Modification of components may void the manufacturer's warranty

Your Hyundai should not be modified in any way. Modifications may adversely affect the safety, durability and performance of your Hyundai. Components which are subjected to modification or are added to the vehicle resulting in consequential damage are not covered by the vehicle manufacturer's warranty.

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TWO-WAY RADIO OR CELLULAR TELEPHONE INSTALLATION

Your vehicle is equipped with electronic fuel injection and other electronic components. It is possible for an improperly installed/adjusted two-way radio or cellular telephone to adversely affect electronic systems. For this reason, we recommend that you carefully follow the radio manufacturer's instructions or consult your Hyundai dealer for precautionary measures or special instructions if you choose to install one of these devices.

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SAFETY AND VEHICLE DAMAGE WARNING

This manual includes information titled as WARNING, CAUTION and NOTE.
These titles indicate the following:

WARNING:
This indicates that a condition may result in harm or injury to you or other persons if the warning is not heeded. Follow the advice provided with the warning.

CAUTION:
This indicates that a condition may result in damage to your vehicle or its equipment if the caution is not heeded. Follow the advice provided with the caution.

NOTE:
This indicates that interesting or helpful information is being provided.

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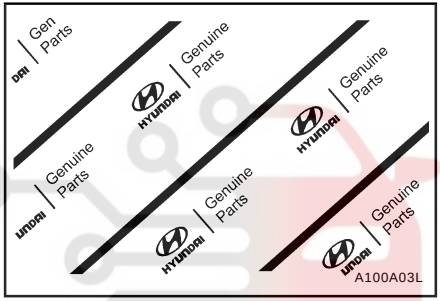
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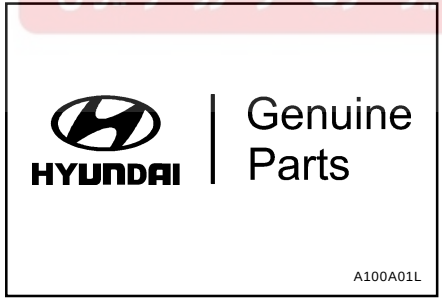
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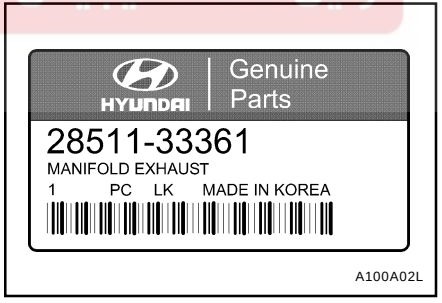
GUIDE TO HYUNDAI GENUINE PARTS

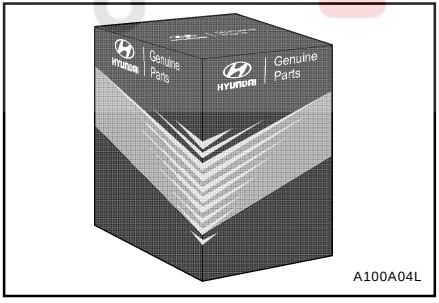
1. **What are Hyundai Genuine Parts?**
   Hyundai Genuine Parts are the same parts used by Hyundai Motor Company to manufacture vehicles. They are designed and tested for the optimum safety, performance, and reliability to our customers.
2. **Why should you use genuine parts?**
   Hyundai Genuine Parts are engineered and built to meet rigid manufacturing requirements. Using imitation, counterfeit or used salvage parts is not covered under the Hyundai New Vehicle Limited Warranty or any other Hyundai warranty. In addition, any damage to or failure of Genuine Hyundai Parts caused by the installation or failure of an imitation, counterfeit or used salvage part is not covered by Hyundai Motor Company.
3. **How can you tell if you are purchasing Hyundai Genuine Parts?**
   Look for the Hyundai Genuine Parts Logo on the package (see below).

The export specifications are written in English only. Hyundai Genuine Parts are only sold through authorized Hyundai Dealerships.









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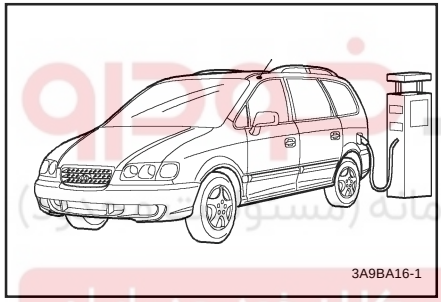
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1. FEATURES OF YOUR HYUNDAI

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FUEL RECOMMENDATIONS

Use Unleaded Gasoline


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Unleaded gasoline with a Pump Octane Rating of 87 (Research Octane Number 91) or higher must be used in Hyundai vehicle. If leaded gasoline is used, it will cause the catalytic converter to become ineffective and the emission control system to malfunction.
This can also result in increased maintenance expense. To avoid accidental use of leaded fuel, the large nozzle used with leaded gasoline at service stations can not be inserted into fuel tank opening of Hyundai vehicle.

NOTE:
- **For some countries, Hyundai vehicles are designed to use leaded gasoline. When you are going to use leaded gasoline, ask to Hyundai dealer whether leaded gasoline in your vehicle is available or not.**
- **Octane rating of leaded gasoline is same with unleaded one.**

Use Diesel

Diesel fuel of 52 to 54 cetane is used in Hyundai vehicle. If two types of diesel fuel are available, use summer or winter fuel properly according to the following temperature conditions.

- Above -5°C (23°F) ... Summer type diesel fuel.
- Below -5°C (23°F) ... Winter type diesel fuel.

Watch the fuel level in the tank very carefully : If the engine stops through fuel failure, the circuits must be completely purged to permit restarting.

CAUTION:
Do not let any gasoline or water enter the tank. This would make it necessary to drain it out and to bleed the lines to avoid jamming the injection pump and damaging the engine.

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What About Gasohol?

Gasohol (a mixture of 90% unleaded gasoline and 10% ethanol or grain alcohol) may be used in your Hyundai. However, if your engine develops drive ability problems, the use of 100% unleaded gasoline is recommended. Fuels with unspecified quantities of alcohol, or alcohols other than ethanol, should not be used.

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Do not Use Methanol

Fuels containing methanol (wood alcohol) should not be used in your Hyundai. This type of fuel can reduce vehicle performance and damage components of the fuel system.

CAUTION:
Your Hyundai's New Vehicle Limited Warranty may not cover damage to the fuel system and performance problems that are caused by the use of methanol or fuels containing methanol.

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Gasolines for Cleaner Air

To help contribute to cleaner air, Hyundai recommends that you use gasolines treated with detergent additives, which help prevent deposit formation in the engine. These gasolines will help the engine run cleaner and enhance performance of the Emission Control System.

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Operation in Foreign Countries

If you are going to drive your Hyundai in another country, be sure to:

- Observe all regulations regarding registration and insurance.
- Determine that acceptable fuel is available.

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BREAKING IN YOUR NEW HYUNDAI

During the First 2,000 Km (1,200 Miles) (Gasoline Engine)

No formal "break-in" procedure is required with your new Hyundai. However, you can contribute to the economical operation and durability of your Hyundai by observing the following recommendations during the first 2,000 km (1,200 miles).

- Don't drive faster than 88 km/h (55 mph).
- While driving, keep your engine speed (rpm, or revolutions per minute) between 2,000 rpm and 4,000 rpm.
- Use moderate acceleration. Don't start, depress the accelerator pedal fully.
- For the first 300 km (200 miles), try to avoid hard stops.
- Don't lug the engine (in other words, don't drive so slowly in too-high a gear that the engine "bucks": shift to a lower gear).
- Whether going fast or slow, vary your speed from time to time.
- Don't let the engine idle longer than 3 minutes at one time.
- Don't tow a trailer during the first 2,000 km (1,200 miles) of operation.

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BREAKING IN YOUR NEW HYUNDAI

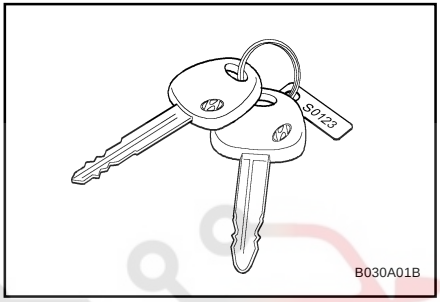
During the First 1,000 Km (600 Miles) (Diesel Engine)

No formal "break-in" procedure is required with your new Hyundai. However, you can contribute to the economical operation and durability of your Hyundai by observing the following recommendations during the first 1,000 km (600 miles).

- While driving, keep your engine speed (rpm, or revolutions per minute) within 3,000 rpm.
- While driving, keep under three quarters of maximum speed.
- Use moderate acceleration. Don't start, depress the accelerator pedal fully.
- For the first 300 km (200 miles), try to avoid hard stops.
- Don't lug the engine (in other words, don't drive so slowly in too high a gear that the engine "bucks": shift to a lower gear).
- Whether going fast or slow, vary your speed from time to time.
- Don't let the engine idle longer than 3 minutes at one time.
- Don't tow a trailer during the first 1,000 km (600 miles) of operation.

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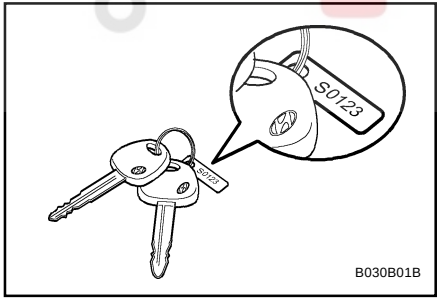
KEYS



For greater convenience, your Hyundai has two keys. The keys will open all locks on your vehicle.

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Record Your Key Number



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A code number is stamped on the number plate that came with the keys to your Hyundai. This key number plate should not be left with the keys but kept in a safe place, not in the vehicle. The key number should also be recorded in a place where it can be found in an emergency.
If you need additional keys, or if you should lose your keys, your authorized Hyundai dealer can make new keys if you can supply the key number.

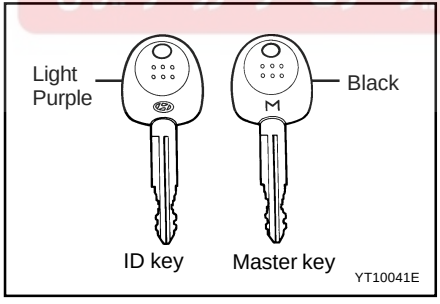
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IMMOBILIZER SYSTEM ; For a Gasoline Engine (If Installed)

The immobilizer system is an anti-theft device, designed to deter automobile theft.

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Keys



All of the locks fitted to the vehicle are operated by the same key. However, since it is possible to lock the doors without the use of the key, care should be exercised to ensure that the key does not become locked inside the vehicle by mistake. For greater convenience, your Hyundai has two types of keys as shown in the illustration.

1) ID key
   This key must be used first to register unique ID code in the ICM. This ID code is then recorded onto the master keys. Both sides of the key has a Hyundai logo.

NOTE:
This ID key should remain with car when it is sold for the use of the next owner.

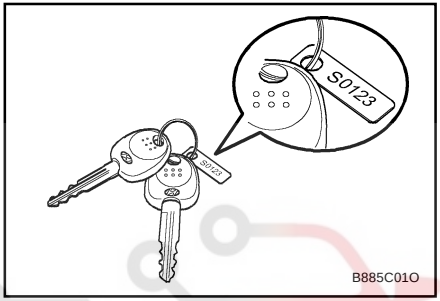
2) Master key
   This key is for general use. It will open all locks on your vehicle.
   One side of the key has the Hyundai logo and the other side has the "M" symbol.

NOTE:
If you make your own duplicate key, you will not be able to cancel the system or start the engine.

CAUTION:
Don't lose your ID key or forget the password. Always keep your ID key in a place where you remember and record your password. If you don't have both the password and ID key, consult your authorized Hyundai dealer.

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Key Numbers



The vehicle key number is recorded upon a metal tag attached to the keys when the vehicle is first delivered to you.
The key number should be recorded and kept in a safe place in case the need to order further keys arises. New keys are available from any Hyundai dealer by quoting the relevant key number.
In the interest of security, the metal tag attached to the keys which bears the key number should be removed from the key ring after you receive your new vehicle. In addition, key numbers cannot be provided by Hyundai for security reasons.
If you need additional keys or if you should lose your keys, your authorized Hyundai dealer can make new keys if you can supply the key number and ID key.

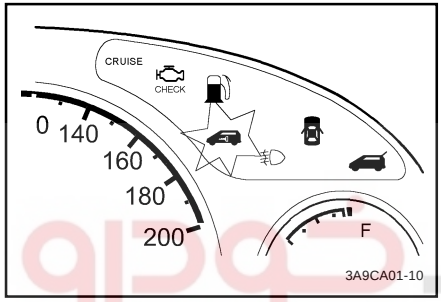
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Limp Home Procedures



If the immobilizer warning indicator is ON continually after blinking for six seconds when the ignition key is turned to "ON" position, your immobilizer system is out of order. And you cannot start the engine without the limp home procedures with ignition key.
The following procedure is how to start the engine with the function of the limp home (0, 1, 2, 3 as an example password).

NOTE:
Your limp home password is the same as password inputed when the vehicle is first delivered to you. If you do not have the password, consult your authorized Hyundai dealer.

1. To set the password, you may turn the ignition key "ON" and then turn it "OFF" according to the digit numbers, then the immobilizer indicator will blink along with the operation of the ignition key. For example, turn the ignition key once for digit number "1", and twice for "2", and so on. However, for the digit number "0", you must turn the ignition key for 10 times.
2. Wait more than 5 seconds in condition of ignition ON.
3. Input the first digit number with ignition key.
4. Wait for 3~10 seconds.
5. You may set the remaining number of digits by following the same procedures from 1 to 4.
6. If all of four digits have been tried successfully, you can start the engine in condition of ignition ON at any time.

NOTE:
If the engine dies while driving after limp home procedure, you can start your engine again in condition of ignition ON. But in case of ignition OFF, you ought to input limp home password again.

7. If the engine cannot be started by limp home procedure, you have to try the limp home procedure again from the beginning.

After doing the limp home procedure, you have to consult with your authorized Hyundai dealer as soon as possible.

CAUTION:
If you cannot start your engine in spite of limp home procedure, have your vehicle towed by an authorized Hyundai dealer.

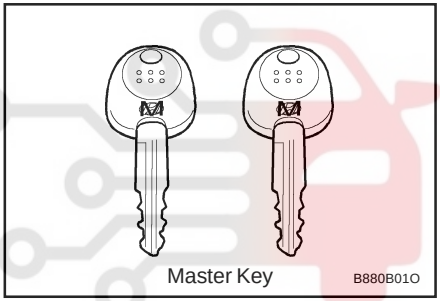
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IMMOBILIZER SYSTEM ; For a Diesel Engine (If Installed)

The immobilizer system is an anti-theft device, designed to deter automobile theft.

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KEYS



All of the locks fitted to the vehicle are operated by the same key. However, since it is possible to lock the doors without the use of the key, care should be exercised to ensure that the key does not become locked inside the vehicle by mistake.

NOTE:
If you make your own duplicate key, you will not be able to cancel the system or start the engine.

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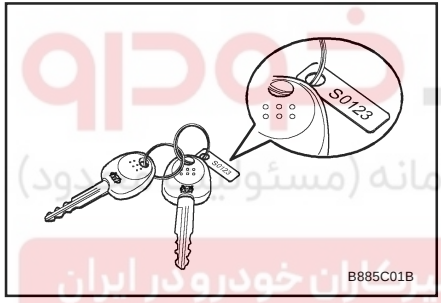
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CAUTION:

- **The password should be recorded and kept in a safe place in case the need to order further keys arises.**
- **If you forget the password, consult your authorized Hyundai dealer.**

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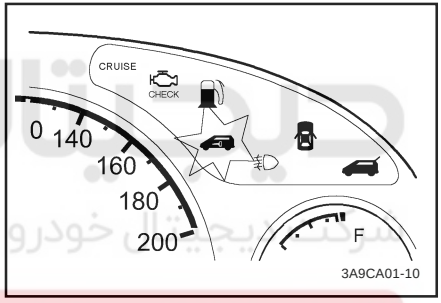
Key Numbers



The vehicle key number is recorded upon a metal tag attached to the keys when the vehicle is first delivered to you.
The key number should be recorded and kept in a safe place in case the need to order further keys arises. New keys are available from any Hyundai dealer by quoting the relevant key number.
In the interest of security, the metal tag attached to the keys which bears the key number should be removed from the key ring after you receive your new vehicle. In addition, key numbers cannot be provided by Hyundai for security reasons. If you need additional keys or if you should lose your keys, your authorized Hyundai dealer can make new keys.

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Limp Home Procedures



If the immobilizer warning indicator blinks for five seconds when the ignition key is turned to "ON" position, your immobilizer system is out of order. And you cannot start the engine without the limp home procedures with ignition key.
The following procedure is how to start the engine with the function of the limp home (0, 1, 2, 3 as an example password).

NOTE:
You can get the limp home password when the vehicle is first delivered to you. If you do not have the password, consult your authorized Hyundai dealer.

1. To set the password you may turn the ignition key "ON" and then turn it "OFF" according to the digit numbers, then the immobilizer indicator will blink along with the operation of the ignition key. For example, turn the ignition key once for digit number "1", and twice for "2", and so on. However, for the digit number "0", you must turn the ignition key for 10 times.
2. Wait more than 5 seconds in condition of ignition ON.
3. Input the first digit number with ignition key.
4. Wait for 3~10 seconds.
5. You may set the remaining number of digits by following the same procedures from 1 to 4.
6. If all of four digits have been tried successfully, from this time, you have to start your engine within 30 seconds. If you start your engine after 30 seconds, your engine will not start.
7. After doing the limp home procedure, if you cannot start the engine, you have to try the limp home procedure again from the beginning. (from 1 to 6)

NOTE:
If the engine dies while driving after limp home procedure, you can start your engine within 8 seconds in condition of ignition OFF without limp home procedure again. But in case of ignition ON, you can start the engine within 30 seconds without limp home procedure again.

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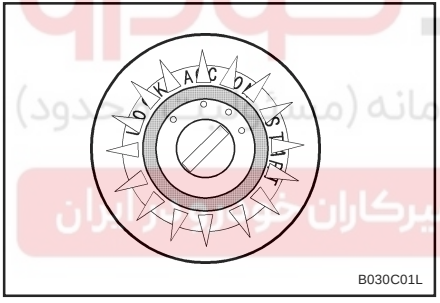
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After doing the limp home procedure, you have to consult with your authorized Hyundai dealer as soon as possible.

CAUTION:
If you cannot start your engine in spite of limp home procedure, have your vehicle towed by an authorized Hyundai dealer.

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ILLUMINATED IGNITION SWITCH (If installed)



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Whenever a door is opened, the ignition switch will be illuminated for your convenience, provided the ignition switch is not in the "ON" position. The light will go off approximately 10 seconds after closing the door or when the ignition switch is turned on.

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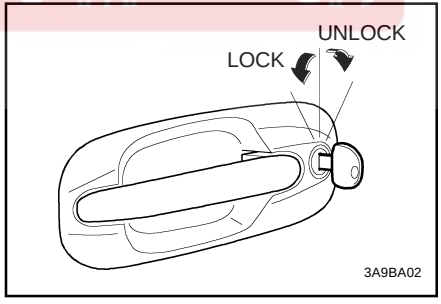
DOOR LOCKS

WARNING:

- **Unlocked doors can be dangerous. Before you drive away (especially if there are children in the car), be sure that all the doors are securely closed and locked so that the doors cannot be opened from the inside. This helps ensure that the doors will not be opened accidentally. Also, when combined with the proper use of seat belts, locking the doors helps keep occupants from being ejected from the car in case of an accident.**
- **Before opening the door, always look for and avoid oncoming traffic.**

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Locking, unlocking front doors with a key

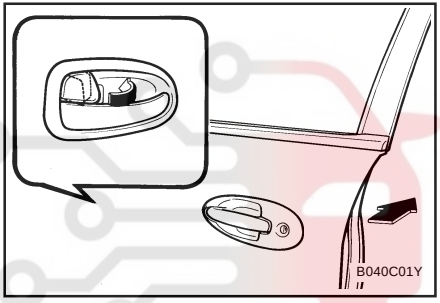


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- The door can be locked or unlocked with a key.
- Lock the door by turning the key toward the front of the vehicle and unlock it by turning the key toward the rear.

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Locking From the Outside


B040C01Y

The doors can be locked without a key. To lock the doors, first push the inside lock switch to the "LOCK" position so that the red mark on the switch is not visible, then close the door.
The door will not lock if the key is left in the ignition switch when the front doors are closed. This is normal.

NOTE:

- **When locking the door this way, be careful not to lock the door with the ignition key left in the vehicle.**

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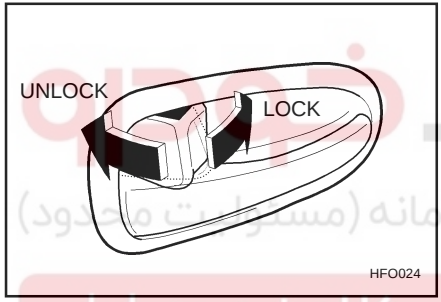
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- **To prevent theft, always remove the ignition key, close all windows, and lock all doors when leaving your vehicle unattended.**

B040D02S-AAT

Locking From the Inside



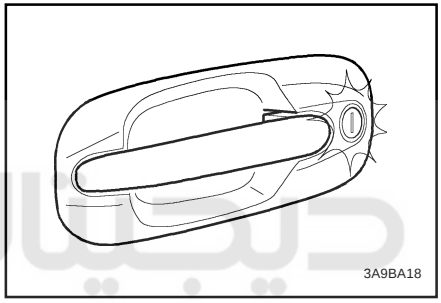
To lock the doors from the inside, simply close the door and push the lock switch to the "LOCK" position. When this is done, neither the outside nor the passenger's inside door handles can be used.

NOTE:

- **When the door is locked, the red mark on the switch is not visible.**
- **The driver's door can be opened by pulling the inside door handle even if the lock switch is depressed. (If installed)**

B040F01Y-AAT

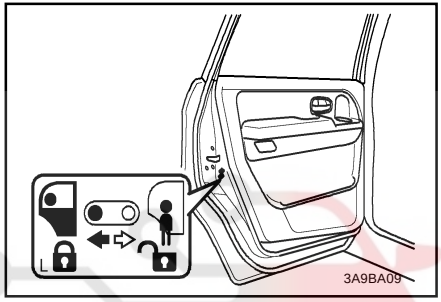
Illuminated Door Key Cylinder (If installed)



Whenever the driver's door handle is pulled, the key cylinder of the door handle will be illuminated for your convenience.
The light will go off 10 seconds after pulling the door handle.

B040E03A-AAT

CHILD-PROTECTOR REAR DOOR LOCK



Your Hyundai is equipped with a "child-protector" rear door lock assembly. When the lock mechanism is engaged, the rear door cannot be opened from the inside. Its use is recommended whenever there are small children in the rear seat.

To engage the child-protector feature so the door cannot be opened from the inside, move the child-protector lever to the " 🔒 " position and close the door. Move the lever to the opposite direction of the " 🔓 " position when normal door operation is desired.

If you wish to be able to open the door from the outside, the outside door handle will function normally.

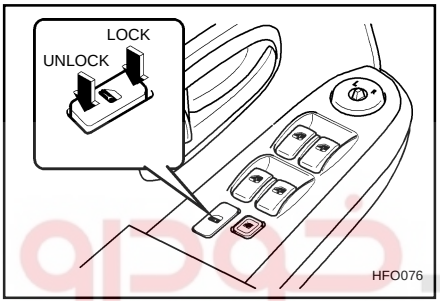
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B040G02L-AAT

Central Door Locks (If installed)



The central door locking switch is located on the driver's arm rest. It is operated by depressing either the front or rear of the door lock switch.

NOTE:

- **When pushing the front portion of the driver's door lock switch, all vehicle doors will lock. If any door is open when the switch is depressed, the door will remain locked when closed.**
- **When pushing the rear portion of the switch, all vehicle doors will unlock.**

B040H01L-GAT

Speed Sensing Auto door Locking (If installed)

When the speed of the vehicle keeps above 40KM/H for 2-3 seconds, it will automatically lock all doors for driver and passenger's safety.

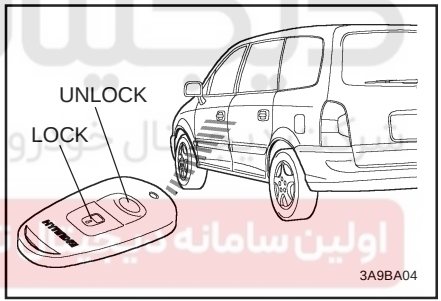
B070A01S-AAT

THEFT-ALARM SYSTEM (If installed)

This system is designed to provide protection from unauthorized entry into the car. This system is operated in three stages: the first is the "Armed" stage, the second is the "Alarm" stage, and the third is the "Disarmed" stage. If triggered, the system provides an audible alarm.

B070B02B-GAT

Armed Stage



Park the car and stop the engine. Arm the system as described below.

1) Remove the ignition key from the ignition switch.
2) Make sure that the engine hood and tailgate are locked.
3) Lock the doors using the transmitter of the keyless entry system.

After completing the steps above, the turn signal lights will blink once to indicate that the system is armed.

NOTE:

1) **If any door, tailgate or engine hood remains open, the system will not be armed.**
2) **If this happens, rearm the system as described above.**

CAUTION:

Do not arm the system until all passengers have left the car. If the system is armed while a passenger(s) remains in the car, the alarm may be activated when the remaining passenger(s) leaves the car.

B070C02Y-GAT

Alarm Stage

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

1) A front or rear door is opened without using the transmitter.
2) The tail gate is opened without using the transmitter.
3) The engine hood is opened.

The siren will sound and the turn signal lights will blink continuously for 27 seconds (E.C only/ Except E.C: This happens 3 times.). To turn off the system, unlock the door or tail gate with the transmitter.

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CAUTION:
Avoid trying to start the engine while the system is armed.

B070D03O-AAT

Disarmed Stage



The system will be disarmed when the driver's or passenger's door is unlocked by depressing the "UNLOCK" button on the transmitter.
After completion of the step above, the turn signal lights will blink twice to indicate that the system is disarmed.

CAUTION:
Only the transmitter can disarm the armed stage. If the transmitter does not disarm the system, it is necessary to take the following steps;

1. **Unlock the door with the key, the alarm to be activated.**
2. **Insert the key in the ignition key cylinder and turn the ignition key to "ON" position.**
3. **Wait for 30 seconds.**

After completing the steps above, the system will be disarmed.

B070F01A-GAT

Keyless Entry System (If Installed)

Locking doors

1. Close all doors.
2. Push the "LOCK" button on the transmitter.
3. At the same time all doors lock, the turn signal lights will blink once to indicate that the system is armed.

Unlocking doors

1. Push the "UNLOCK" button on the transmitter.
2. At the same time all doors unlock, the turn signal lights will blink twice to indicate that the system is disarmed.

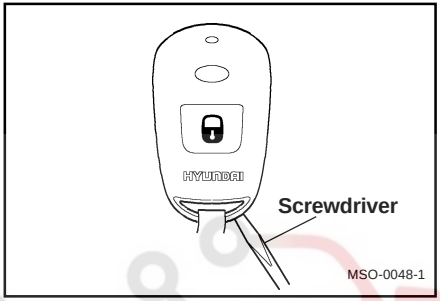
B070E02HP-GAT

Replacing the battery

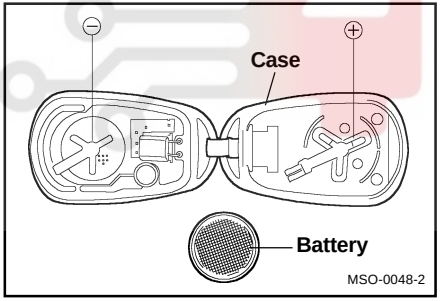
When the transmitter's battery begins to get weak, it may take several pushes on the button to lock or unlock the doors, and the LED will not light. Replace the battery as soon as possible.

Battery type : CR2032

Replacement instructions:



1. Carefully separate the case with a blade screwdriver as shown in the illustration.



2. Remove the old battery from the case and note the polarity. Make sure the polarity of the new battery is the same(+side facing down), then insert it in the transmitter.

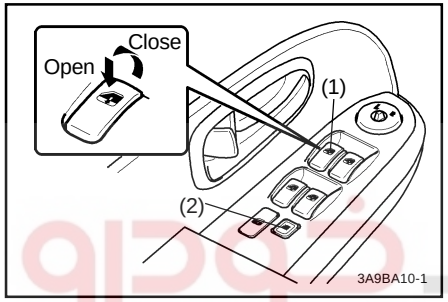
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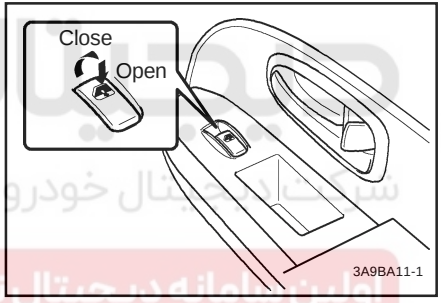
POWER WINDOWS



The power windows operate when the ignition key is in the "ON" position. The main switches are located on the driver's armrest and control the front and rear windows on both sides of the vehicle. The windows may be opened by depressing the appropriate window switch and closed by pulling up the switch. To open the window on the driver's side, press the switch(1) halfway down. The window moves as long as the switch is operated. To fully open the driver's window automatically, press the switch fully down. In automatic operation, the window will fully open even if you let go of the switch. To stop at the desired opening, pull up and release the switch. In order to prevent operation of the passenger front and rear windows, a window lock switch(2) is provided on the armrest of the driver's door. To disable the power windows, press the window lock switch. To revert to normal operation, press the window lock switch a second time.

NOTE:

The power windows can be operated for 30 seconds after the ignition key is turned to the "ACC" or the "LOCK" position. If the door is opened within 30 seconds refered to above, the operation time of power windows increases 30 seconds. But if the front door is closed, the power window will not operate any more.



WARNING:

(1) Be careful that someone's head, hands and body are not trapped by a closing window.

(2) Never try to operate the main switch on the driver's door and the individual door window switch in opposing directions at the same time. If this is done, the window will stop and cannot be opened or closed.

(3) Do not leave children alone in the car. Always remove the ignition key for their safety.

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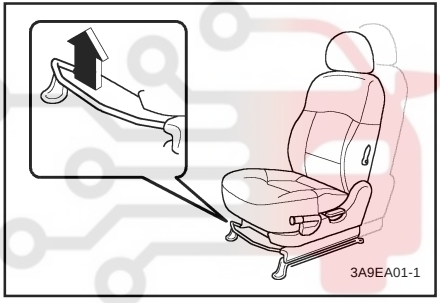
FRONT SEATS

WARNING:

Never attempt to adjust the seat while the vehicle is moving. This could result in loss of control or an accident which may cause death, serious injury, or property damage.

B080B02A-AAT

Adjusting Seat Forward and Rearward



To move the seat toward the front or rear, pull the lock release lever upward. This release the seat on its track so you can move it forward or rearward to the desired position. When you find the position you want, release the lever and slide the seat forward or rearward on its track until it locks into the desired position and cannot be moved further.

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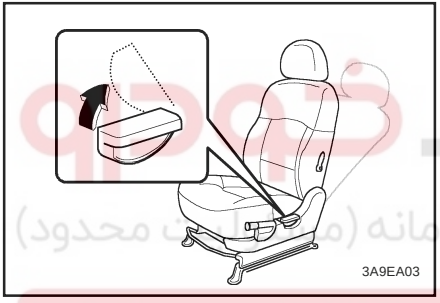
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WARNING:
To ensure the seat is locked securely, attempt to move the seat forward or rearward without using the lock release lever.

B080C01A-AAT

Adjusting Seatback Angle

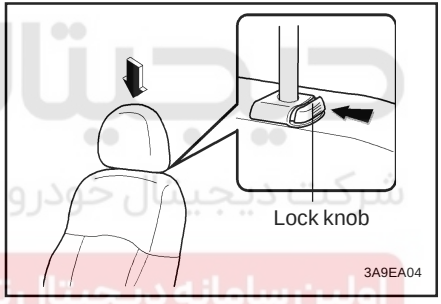


To recline the seatback, lean forward to take your weight off it, then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved. To lock the seatback into position, release the recliner control lever.

WARNING:
To minimize risk of severe injury in the event of a collision or a sudden stop, both the driver and passenger seatbacks should always be in an upright position while the vehicle is in motion. The protection provided by the seat belts and airbags in a frontal collision may be reduced significantly when the seatbacks are reclined. There is greater risk that the driver and passenger will slide under the seat belt which may result in serious injury if a crash occurs when the seatbacks are reclined.

B080D02Y-GAT

Adjustable Headrests

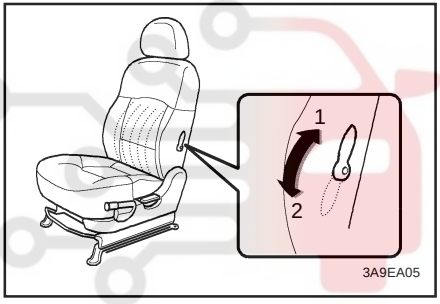


Headrests are designed to help reduce the risk of neck injuries.
To raise the headrest, pull it up. To lower it, push it down while pressing the lock knob.

WARNING:
- **For maximum effectiveness in case of an accident the headrest should be adjusted so the top of the headrest is at the same height as the top of the occupant's ears. For this reason, the use of a cushion that holds the body away from the seatback should not be recommended.**
- **Do not operate vehicle with the headrests removed as injury to the occupants may occur in the event of an accident. Headrests may provide protection against neck injuries when properly adjusted.**

B080E01Y-AAT

Lumbar Support Control (Driver's seat only) (If installed)



To adjust the lumbar support, turn the handle on the outboard or left side of the seat. To increase the amount of lumbar support, pull the lever forward. To decrease it, push the lever toward the rear.

1. Minimum support
2. Maximum support

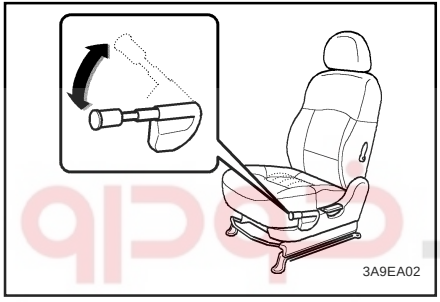
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Seat Height Adjustment (Driver's Seat Only) (If Installed)



To raise or lower the seat, raise or lower the control lever to the desired seat height.

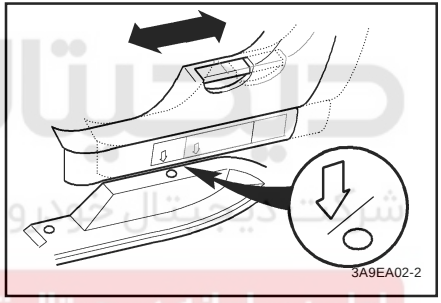
WARNING:

- **Never attempt to adjust the seat while the vehicle is moving. This could result in loss of control, and an accident causing death, serious injury, or property damage.**
- **Do not sit or lean unnecessarily close to the airbag to get better protection during its deployment in case of an accidents.**

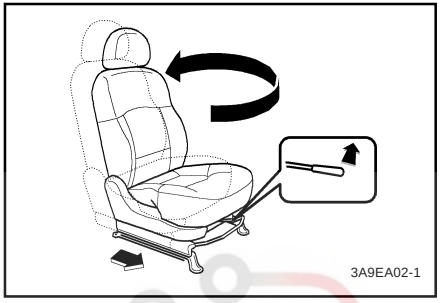
B080H01B-GAT

To rotate (Front seats only) (If installed)

1. Open the front door
2. Pull the reclining lever and fold the seatback of the front seat forward.
3. Slide the front seat forward until the arrow mark which is on the outside edge of the seat, points to the mark on the door scuff.



4. Pull the seat height control lever up.
5. Pull the lever and rotate the seat in either clockwise (Driver's seats) or counterclockwise (Passenger's seat) direction.



6. After rotating the seat 180°, the seat will be fixed. And you can adjust the seatback appropriately.
7. Reverse the above procedure to return the seat to the original position.

WARNING:

- **Never rotate the seat while the vehicle is in motion.**
- **When the seat is rotated, be sure that the seat is securely locked in position.**
- **While the vehicle is in motion, if a passenger is sitting, ensure that the seat is locked facing forward to avoid any serious injury in the event of a sudden stop.**

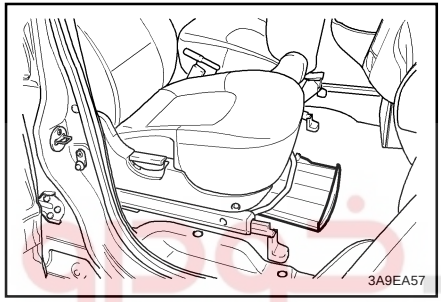
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B080G01FC-GAT

Under Tray (If installed)



The tray is located under the front passenger's seat. It is opened by up and pulling forward.

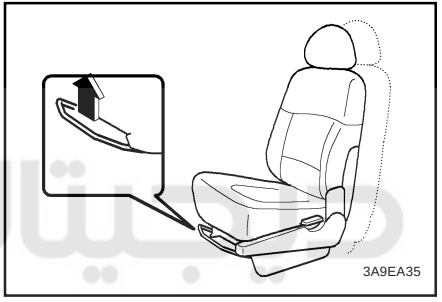
WARNING:

To avoid the possibility of injury in case of an accident or a sudden stop, the tray should be kept closed when the car is in motion.

B090A02B-AAT

SECOND SEAT (Type A)

Adjusting Seat Forward and Rearward



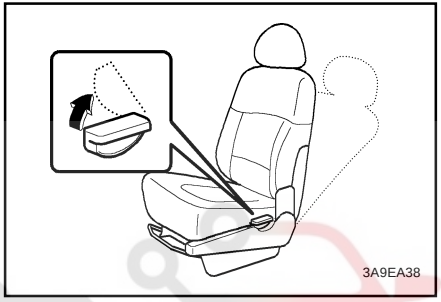
To move the seat toward the front or rear, pull the lock release lever upward. This releases the seat on its track so you can move it forward or rearward to the desired position. When you find the position you want, release the lever and slide the seat forward or rearward on its track until it locks into the desired position and cannot be moved further.

WARNING:

To ensure the seat is locked securely, attempt to move the seat forward or rearward without using the lock release lever.

B090B01B-GAT

Adjusting Seatback Angle



To recline the seatback, lean forward to take your weight off it, then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved. To lock the seatback into position, release the recliner control lever.

WARNING:

To minimize risk of severe injury in the event of a collision or a sudden stop, both the driver and passenger seatbacks should always be in an upright position while the vehicle is in motion. The protection provided by the seat belts and airbags in a frontal collision may be reduced significantly when the seatbacks are reclined. There is greater risk that the driver and passenger will slide under the seat belt which may result in serious injury if a crash occurs when the seatbacks are reclined.

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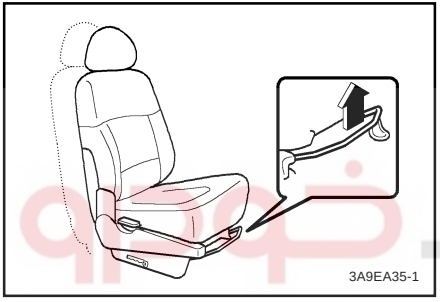
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B090C02B-AAT

SECOND SEAT (Type B)

Adjusting Seat Forward and Rearward



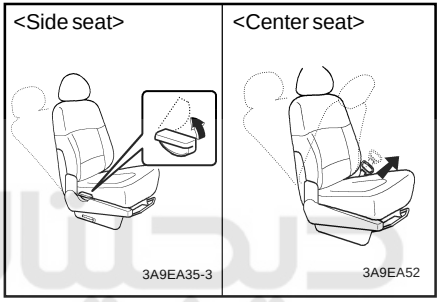
To move the seat toward the front or rear, pull the lock release lever upward. This release the seat on its track so you can move it forward or rearward to the desired position. When you find the position you want, release the lever and slide the seat forward or rearward on its track until it locks into the desired position and cannot be moved further.

WARNING:

To ensure the seat is locked securely, attempt to move the seat forward or rearward without using the lock release lever.

B090D01B-GAT

Adjusting Seatback Angle



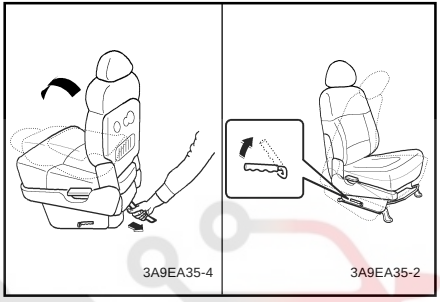
To recline the seatback, lean forward to take your weight off it, then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved. To lock the seatback into position, release the recliner control lever.

WARNING:

To minimize risk of severe injury in the event of a collision or a sudden stop, both the driver and passenger seatbacks should always be in an upright position while the vehicle is in motion. The protection provided by the seat belts and airbags in a frontal collision may be reduced significantly when the seatbacks are reclined. There is greater risk that the driver and passenger will slide under the seat belt which may result in serious injury if a crash occurs when the seatbacks are reclined.

B090E01B-GAT

To Get In And Out Of The Third Seat

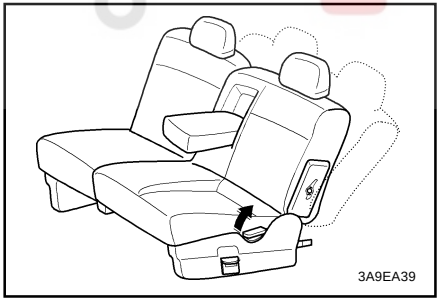


Either pulling up the recliner control lever at the outside edge of second seat or pulling the strap will tilt the second seat forward.

B095A01B-GAT

THIRD SEAT (Type A)

Adjusting Seatback Angle



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To recline the seatback, lean forward to take your weight off it, and then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved. To lock the seatback into position, release the recliner control lever.

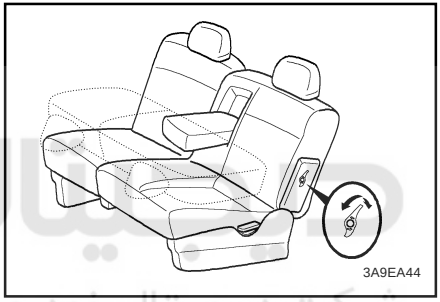
WARNING:

To minimize risk of severe injury in the event of a collision or a sudden stop, both the driver and passenger seatbacks should always be in an upright position while the vehicle is in motion. The protection provided by the seat belts and airbags in a frontal collision may be reduced significantly when the seatbacks are reclined. There is greater risk that the driver and passenger will slide under the seat belt which may result in serious injury if a crash occurs when the seatbacks are reclined.

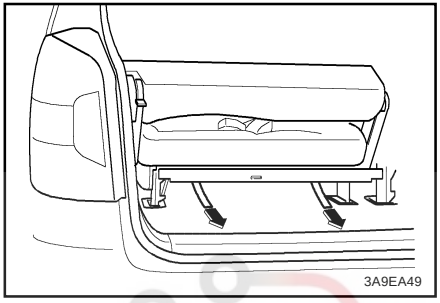
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Folding The Third Seatback and Seat Cushion

1. Remove the headrest.



2. To fold the seatback, rotate the seatback release lever counterclockwise.
3. After the third seat has been folded down, pull the strap on the rear side of seat cushion to fold up the seat cushion.



WARNING:

- **When you return the third seat to its up-right position, always be sure that it has been locked into position by pulling and pushing on the top of the seatback.**
- **When you return the third seat to its up right position after being folded down and folded up, be careful not to damage the seat belt webbing or buckle. In addition, do not allow the seat belt webbing or buckle to get caught or pinched in the third seat.**

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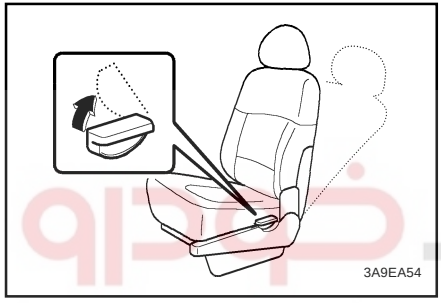
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B095C01B-GAT

THIRD SEAT (Type B)

Adjusting Seatback Angle



To recline the seatback, lean forward to take your weight off it, and then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved. To lock the seatback into position, release the recliner control lever.

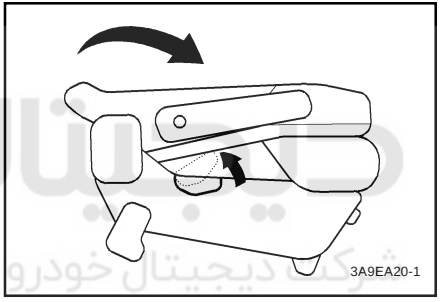
WARNING:

To minimize risk of severe injury in the event of a collision or a sudden stop, both the driver and passenger seatbacks should always be in an upright position while the vehicle is in motion. The protection provided by the seat belts and airbags in a frontal collision may be reduced significantly when the seatbacks are reclined. There is greater risk that the driver and passenger will slide under the seat belt which may result in serious injury if a crash occurs when the seatbacks are reclined.

B095D01B-GAT

Folding The Third Seatback and Seat Cushion

1. Remove the headrest.
2. Fold the seatback forward.

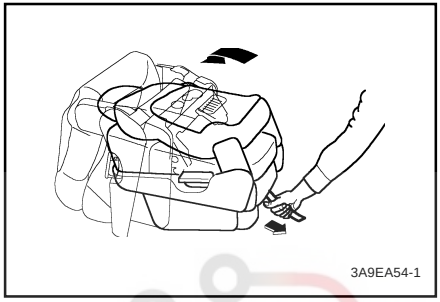


CAUTION:

The seat back top can be used in the table when the vehicle is only stopped.

WARNING:

To avoid the possibility of injury in case of an accident or a sudden stop, do not load luggage on the seat back top while the vehicle is moving.

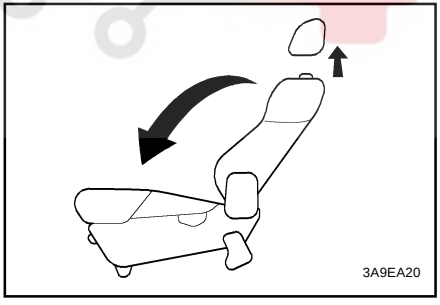


3. Pull the strap and push the rear side of seat forward.

B095E01B-GAT

HOW TO REMOVE THE SEAT

To make room for extra cargo, the seat can be removed from the vehicle and reinstalled at a later time.

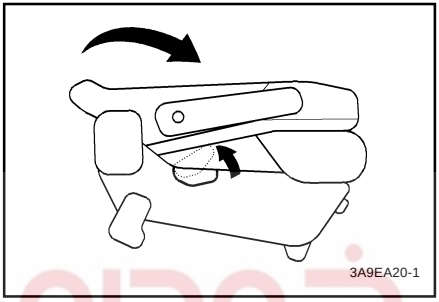


1. Remove the headrest.

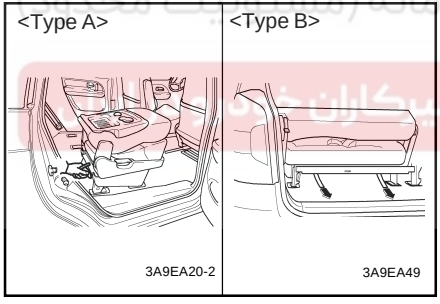
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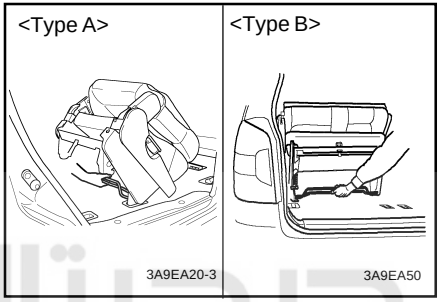
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2. Pull up on the recliner control lever at the outside edge of the seat and fold the seatback forward.



3. Pull the strap and push the rear side of seat forward.



4. Using the lock release lever grip pull the seat upward and remove the seat.
5. Reverse the above procedures to reinstall the seat to the original position.

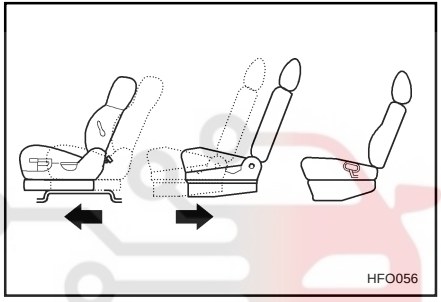
NOTE:
When removing the seat, the seat must be slidden at the end of rearward. This avoids having difficulties in installing the seat.

WARNING:
- **Never remove the seat while the vehicle is in motion.**
- **Be careful when removing the seat using one's hand to avoid any possible hand injury.**
- **Use caution when lifting up the seat to avoid any possible back injury.**

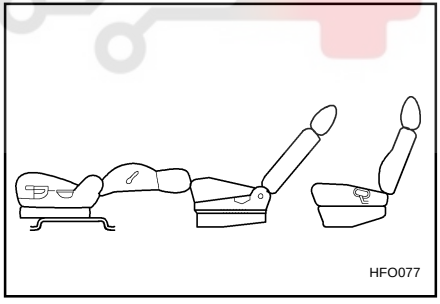
B095F01B-GAT

To Make First and Second Seats Into Bed

1. Remove the headrests of the first seat.
2. Slide the front seat at the forefront.



3. Slide the second seat at the end of rearward.



4. Lower the seatbacks of the second and the first seats all the way back.

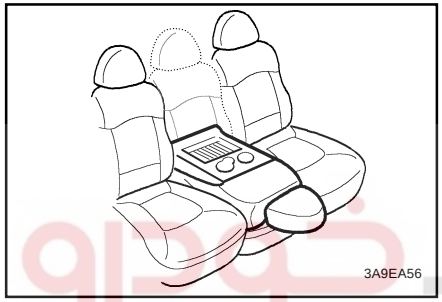
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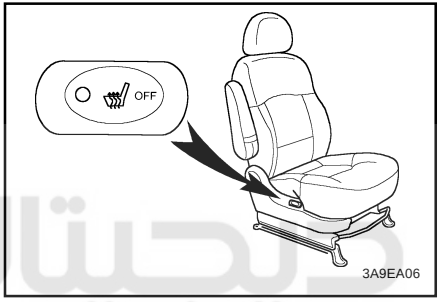
SEATBACK TABLE



Middle and rear row seats can be folded forward. This offers convenient table tops with built-in cupholders.

B100A01Y-AAT

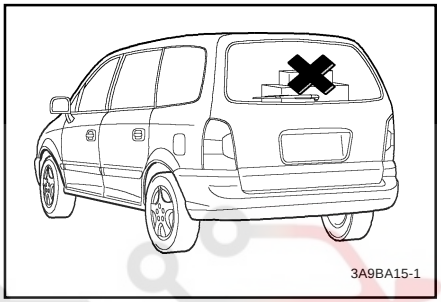
SEAT WARMER (If Installed)



The seat warmer is provided to warm the front seats during cold weather. With the ignition key in the "ON" position, push either of the switches to warm the driver's seat or the passenger's seat. During mild weather or under conditions where the operation of the seat warmer is not needed, keep the switches in the "OFF" position.

B140A01B-GAT

REAR SEAT WARNING



For the safety of all passengers, luggage or other cargo should not be piled higher than the top of the seatback.

B150A02A-GAT

SEAT BELT PRECAUTIONS

All occupants of the vehicle should wear their seat belts at all times. Indeed, your province's laws may require that some or all occupants of the vehicle use seat belts.
The possibility of injury or the severity of injury in an accident will be decreased if this elementary safety precaution is observed. In addition, the following recommendations are made:

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B150B01Y-GAT

Infant or Small Child

Some countries require the use of child restraint systems for nfants and small children. Whether this is required by law or not, it is strongly recommended that a child restraint seat or infant restraint system be used for infants or small children weighing less than 18 kilograms (40 pounds).

NOTE:

Small children are best protected in an accident when properly restrained by a child restraint system.

B150C02A-AAT

Larger Children

Children who are too large for child restraint systems should always occupy the rear seat and use the available lap/shoulder belts. The lap portion should be fastened snug on the hips and as low as possible. Check belt fit periodically. A child's squirming could put the belt out of position. Children are afforded the most safety in the event of an accident when they are restrained by a proper restraint system in the rear seat. If a larger child (over age 13) must be seated in the front seat, the child should be securely restrained by the available lap/shoulder belt and the seat should be placed in the rearmost position. Children under the age of 13 should be restrained securely in the rear seat. Never place a child under the age of 13 in the front seat. NEVER place a rear facing child seat in the front seat of a vehicle.

B150D01A-AAT

Pregnant Women

The use of a seat belt is recommended for pregnant women to lessen the chance of injury in an accident. When a seat belt is used, the lap belt portion should be placed as low and snugly as possible on the hips, not across the abdomen. For specific recommendations, consult a physician.

B150E01A-AAT

Injured Person

A seat belt should be used when an injured person is being transported. When this is necessary, you should consult a physician for recommendations.

B150F01A-AAT

One Person Per Belt

Two people (including children) should never attempt to use a single seat belt. This could increase the severity of injuries in case of an accident.

B150G01A-AAT

Do Not Lie Down

To reduce the chance of injuries in the event of an accident and to achieve maximum effectiveness of the restraint system, all passengers should be sitting up and the front seats should be in an upright position when the car is moving. A seat belt cannot operate properly if the person is lying down in the rear seat or if the front seat is in a reclined position.

WARNING:

Sitting in a reclined position or lying down when your vehicle is in motion can be dangerous. Even if you buckle up, your seat belts can't do their job when you're reclined.

The shoulder belt can't do its job because it won't be against your body. Instead, it will be in front of you. In a crash you could go into it with great force,receiving serious neck or other injuries.

The lap belt can't do its job either. In a crash the belt could go up over your abdomen. The belt forces would be applied there, not at your strong pelvic bones.

This could cause serious internal injuries.

For proper protection when the vehicle is in motion, have the seatback upright. Then sit well back in the seat and wear your seat belt properly.

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B160A01A-AAT

CARE OF SEAT BELTS

Seat belt systems should never be disassembled or modified. In addition, care should be taken to assure that seat belts and belt hardware are not damaged by seat hinges, doors or other abuse.

WARNING:

When you return the rear seatback to its upright position after the rear seatback was folded down, be careful not to damage the seat belt webbing or buckle. Be sure that the webbing or buckle does not get caught or pinched in the rear seat.

B160B01A-AAT

Periodic Inspection

It is recommended that all seat belts be inspected periodically for wear or damage of any kind. Parts of the system that are damaged should be replaced as soon as possible.

B160C01A-AAT

Keep Belts Clean and Dry

Seat belts should be kept clean and dry. If belts become dirty, they can be cleaned by using a mild soap solution and warm water. Bleach, dye, strong detergents or abrasives should not be used because they may damage and weaken the fabric.

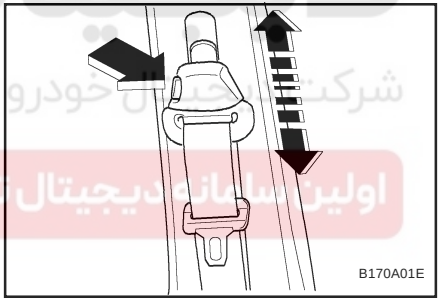
B160D01A-AAT

When to Replace Seat Belts

The entire seat belt assembly or assemblies should be replaced if the vehicle has been involved in an accident. This should be done even if no damage is visible. Additional questions concerning seat belt operation should be directed to your Hyundai Dealer.

B170A04A-AAT

HEIGHT ADJUSTABLE FRONT SEAT SHOULDER BELT (If installed)



You can adjust the height of the shoulder belt anchor to one of the 4 positions for maximum comfort and safety.

If the height of the adjusting seat belt is too near your neck, you will not be getting the most effective protection. The shoulder portion should be adjusted so that it lies across your chest and midway over your shoulder nearest the door and not your neck.

To adjust the height of the seat belt anchor, lower or raise the height adjuster into an appropriate position. To raise the height adjuster, pull it up. To lower it, push it down while pressing the height adjuster button.

Release the button to lock the anchor into position. Try sliding the height adjuster to make sure that it has locked into the position.

WARNING:

- **The height adjuster must be in the locked position when the vehicle is moving.**
- **The misadjustment of height of the shoulder belt could reduce the effectiveness of the seat belt in a crash.**

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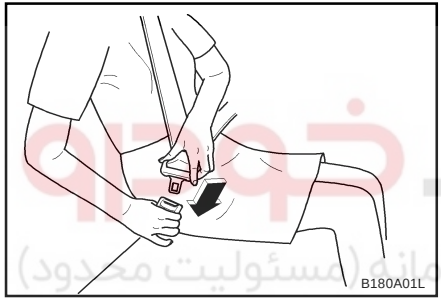
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B180A01A-DAT

SEAT BELT-Driver's 3-Point System with Webbing Clamp Locking Retractor (If installed)

To Fasten Your Belt



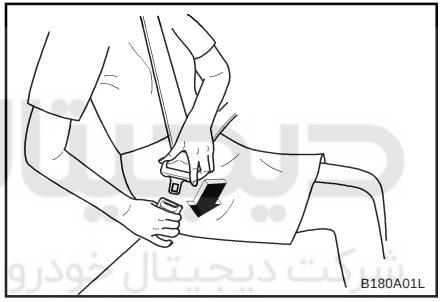
To fasten your seat belt, pull it out of the retractor and insert the metal tab into the buckle. There will be an audible "click" when the tab locks into the buckle.

The seat belt automatically adjusts to the proper length only after the lap belt is adjusted manually so that it fits snugly around your hips. If you lean forward in a slow, easy motion, the belt will extend and let you move around. If there is a sudden stop or impact, however, the belt will lock into position. It will also lock if you try to lean forward too quickly.

B180A01Y-GAT

SEAT BELTS-Driver's 3-Point System with Emergency Locking Retractor (If installed)

To Fasten Your Belt

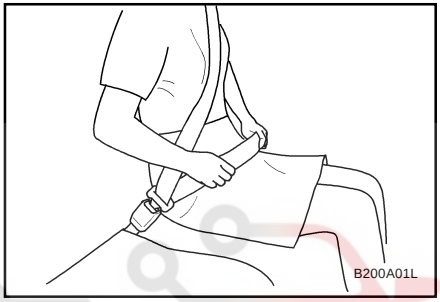


To fasten your seat belt, pull it out of the retractor and insert the metal tab into the buckle. There will be an audible "click" when the tab locks into the buckle.

The seat belt automatically adjusts to the proper length only after the lap belt is adjusted manually so that it fits snugly around your hips. If you lean forward in a slow, easy motion, the belt will extend and let you move around. If there is a sudden stop or impact, however, the belt will lock into position. It will also lock if you try to lean forward too quickly. Check to make sure that the belt is properly locked and that the belt is not twisted.

B200A01A-GAT

Adjusting Your Seat Belt



You should place the belt as low as possible on your hips, not on your waist. If located too high on your body, the chances of sliding out from under it and suffering serious injury or death are increased. Both arms should not be under or over the belt. Rather, one should be over and the other under, as shown in the illustration.

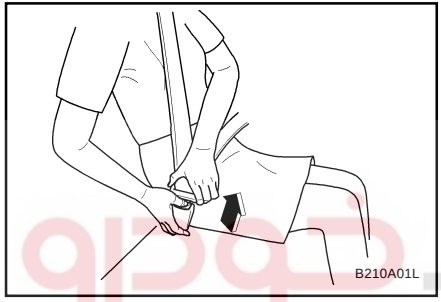
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B210A01A-AAT

To Release the Seat Belt

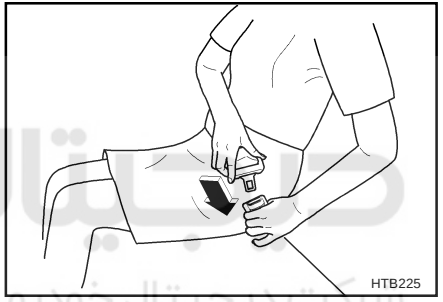


The seat belt is released by pressing the release button in the locking buckle. When it is released, the belt should automatically draw back into the retractor.
If this does not happen, check the belt to be sure it is not twisted, then try again.

B220A01A-AAT

SEAT BELTS (2-Point Static Type) (Rear Seat Center)

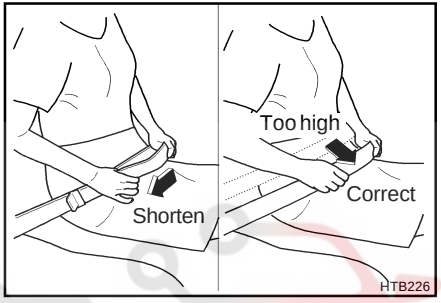
To Fasten Your Seat Belt



To fasten a 2-point static type belt, insert the metal tab into the locking buckle. There will be an audible "click" when the tab locks into the buckle. Check to make sure the belt is properly locked and that the belt is not twisted.

B220B01A-AAT

Adjusting Your Seat Belt



With a 2-point static type seat belt, the length must be adjusted manually so it fits snugly around your body. Fasten the belt and pull on the loose end to tighten. The belt should be placed as low as possible on your hips, not on your waist. If the belt is too high, it could increase the possibility of your being injured in an accident.

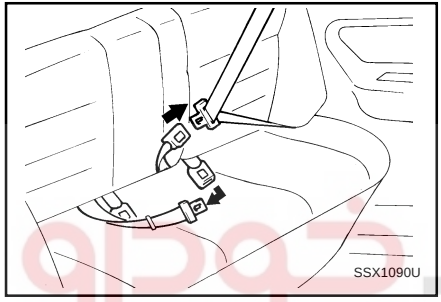
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B220C01A-AAT

To Release the Seat Belt



When you want to release the seat belt, press the button in the locking buckle.

WARNING:

The center lap belt latching mechanism is different from those for the rear seat shoulder belts. When fastaning the rear seat shoulder belts or the center lap belt, make sure they are inserted into the correct buckle to obtain protection from the seat belt system and assure proper operation.

B230A02P-AAT

CHILD RESTRAINT SYSTEM (If installed)

Children riding in the car should sit in the rear seat and must always be properly restrained to minimize the risk of injury in an accident, sudden stop or sudden maneuver. According to accident statistics, children are safer when properly restrained in the rear seats than in the front seat. Larger children not in a child restraint should use one of the seat belts provided.

You are required by law to use safety restraints for children. If small children ride in your vehicle you must put them in a child restraint system (safety seat).

Children could be injured in a crash if their restraints are not properly secured. For small children and babies, a child seat or infant seat must be used. Before buying a particular child restraint system, make sure it fits your car seat and seat belts, and fits your child. Follow all the instructions provided by the manufacturer when installing the child restraint system.

WARNING:

- **A child restraint system must be placed in the rear seat. Never install a child or infant seat on the front passenger's seat. Should an accident occur and cause the passenger side airbag to deploy, it could severely injure or kill an infant or child seated in an infant or child seat. Thus, only use a child restraint in the rear seat of your vehicle.**
- **Since a safety belt or child restraint system can become very hot if it is left in a closed vehicle, be sure to check the seat cover and buckles before placing a child there.**
- **When the child restraint system is not in use, fasten it with a safety belt so that it will not be thrown forward in the case of a sudden stop or an accident.**
- **Children who are too large to be in a child restraint should sit in the rear seat and be restrained with the available lap/shoulder belts. Never allow children to ride in the front passenger seat.**
- **Always make sure that the shoulder belt portion of the outboard lap/shoulder belt is positioned midway over the shoulder, never across the neck or behind the back. Moving the child closer to the center of the vehicle may help provide a good shoulder belt fit. The lap belt portion of the lap/shoulder belt or the center seat lap belt must always be positioned as low as possible on the child's hips and as snug as possible.**
- **If the seat belt will not properly fit the child, Hyundai recommends the use of an approved booster seat in the rear seat in order to raise the child's seating height so that the seat belt will properly fit the child.**
- **Never allow a child to stand up or kneel on the seat.**

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- **Never use an infant carrier or child safety seat that "hooks" over a seatback; it may not provide adequate security in an accident.**
- **Never allow a child to be held in a person's arms while they are in a moving vehicle, as this could result in serious injury to the child in the event of an accident or a sudden stop. Holding a child in a moving vehicle does not provide the child with any means of protection during an accident, even if the person holding the child is wearing a seat belt.**

B230H02B-GAT

Child Seat Restraint Suitability For Seat Position

Use child safety seats that have been officially approved and are appropriate for your children.

Age Group	Seating Position			
	1st Passenger	2nd row Outboard	2nd row Center	3rd row Outboard
0 : Up to 10 kg (0 ~ 9 months)	X	U	X	U
0+ : Up to 13 kg (0 ~ 2 years)	X	U	X	U
I : 9kg to 18kg (9 months ~ 4 years)	UF	U	UF	U
II & III : 15kg to 36kg (4 ~ 12 years)	UF	UF	UF	UF

U : Suitable for "universal" category restraints approved for use in this mass group

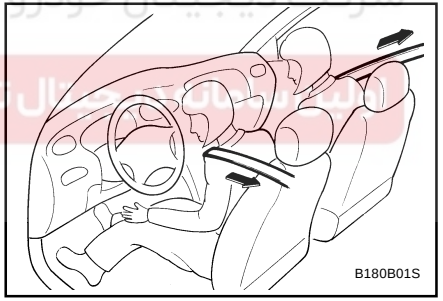
UF : Suitable for forward-facing "universal" category restraints approved for use in this mass group

X : Seat position not suitable for children in this mass group

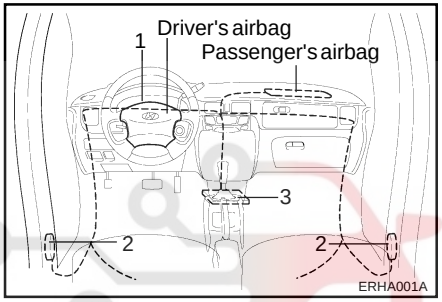
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Pre-tensioner Seat Belt

Your Hyundai vehicle is equipped with driver's and front passenger's pre-tensioner seat belts. The purpose of the pre-tensioner is to make sure that the seat belts fit tightly against the occupant's body in certain frontal collisions. The pre-tensioner seat belts can be activated with the airbags.



The pre-tensioner seat belt operates in a similar way as an Emergency Locking Retractor (ELR) type of seat belt. When the vehicle stops suddenly, or if the occupant tries to lean forward too quickly, the seat belt retractor will lock into position. In certain frontal collisions, the pre-tensioner will activate and pull the seat belt into tighter contact against the occupant's body.



The seat belt pre-tensioner system consists mainly of the following components. Their locations are shown in the illustration.

1. SRS airbag warning light
2. Seat belt pre-tensioner assembly
3. SRS control module

WARNING:

To obtain maximum benefit from a pre-tensioner seat belt:

1. **The seat belt must be worn correctly.**
2. **The seat belt must be adjusted to the correct position.**

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NOTE:

- **Both the driver's and front passenger's pre-tensioner seat belts will be activated in certain frontal collisions. The pre-tensioner seat belts can be activated with the airbags.**
- **When the pre-tensioner seat belts are activated, a loud noise may be heard and fine dust, which may appear to be smoke, may be visible in the passenger compartment. These are normal operating conditions and are not hazardous.**
- **Although it is harmless, the fine dust may cause skin irritation and should not be breathed for prolonged periods. Wash your hands and face thoroughly after an accident in which the pre-tensioner seat belts were activated.**

CAUTION:

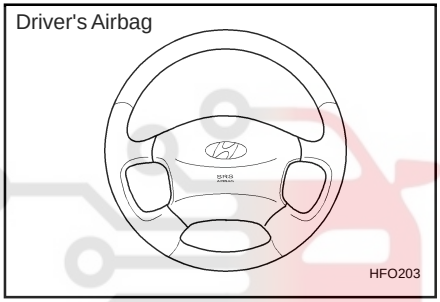
- **Because the sensor that activates the SRS airbag is connected with the pre-tensioner seat belt, the SRS airbag warning light AIR BAG on the instrument panel will blink for approximately 6 seconds after the ignition key has been turned to the "ON" positions, and then it should turn off.**
- **If the pre-tensioner seat belt is not working properly, this warning light will illuminate even if there is no malfunction of the SRS airbag system. If the SRS airbag warning light does not illuminate when the ignition key is turned to "ON", or if it remains illuminated after blinking for approximately 6 seconds, or if it illuminates while the vehicle is being driven, please have an authorized Hyundai dealer inspect the pre-tensioner seat belts and SRS airbag system as soon as possible.**

WARNING:

- **Pre-tensioners are designed to operate only one time. After activation, pre-tensioner seat belts must be replaced. All seat belts, of any type, should always be replaced after they have been worn during a collision.**
- **The pre-tensioner seat belt assembly mechanisms become hot during activation. Do not touch the pre-tensioner seat belt assemblies for several minutes after they have been activated.**
- **Do not attempt to inspect or replace the pre-tensioner seat belts yourself. This must be done by an authorized Hyundai dealer.**
- **Do not strike the pre-tensioner seat belt assemblies.**
- **Do not attempt to service or repair the pre-tensioner seat belt system in any manner.**
- **Improper handling of the pre-tensioner seat belt assemblies, and failure to heed the warnings to not strike, modify, inspect, replace, service or repair the pre-tensioner seat belt assemblies may lead to improper operation or inadvertent activation and serious injury.**
- **Always wear seat belts when driving or riding in a motor vehicle.**

B240A01Y-GAT

SUPPLEMENTAL RESTRAINT (AIRBAG) SYSTEM (SRS) (If Installed)



Your Hyundai is equipped with a Supplemental Restraint (Airbag) System. The indications of the system's presence are the letters "SRS AIR BAG" embossed on the airbag pad cover in the steering wheel and the passenger's side front panel pad above the glove box.

The Hyundai SRS consists of airbags installed under the pad covers in the center of the steering wheel and the passenger's side front panel above the glove box. The purpose of the SRS is to provide the vehicle's driver and/or the front passenger with additional protection than that offered by the seat-belt system alone, in case of a frontal impact of sufficient severity.

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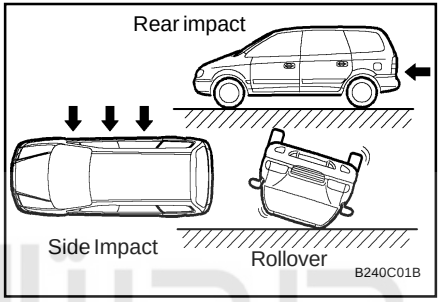
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NOTE:
Be sure to read information about the SRS on the labels provided on the backside of the sun visor and in the glove box.

WARNING:

- **As its name implies, the SRS is designed to work with, and be supplemental to, the driver's and the passenger's three point seat belt systems and is not a substitute for them. Therefore, your seat belts must be worn at all times while the vehicle is in motion. The airbags deploy only in certain frontal impact conditions severe enough to cause significant injury to the vehicle occupants.**
- **The SRS is designed to deploy the airbags only when an impact is sufficiently severe and when the impact angle is less than 30° from the forward longitudinal axis of the vehicle and will not deploy in side, rear or rollover impacts. Additionally, the airbags will only deploy once. Thus, seat belts must be worn at all times.**

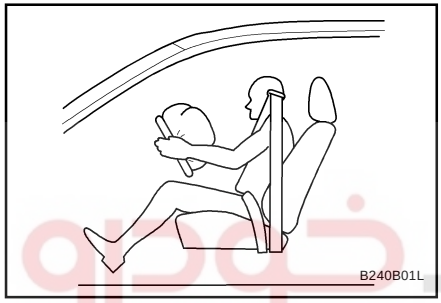


- Front airbags are not intended to deploy in side-impact, rear-impact or rollover crashes. In addition, airbags will not deploy in frontal crashes below the deployment threshold speed.
- **The driver should sit back as far as possible while still maintaining control of the vehicle. If you are sitting too close to the airbag, it can cause death or serious injury when it inflates.**
- **No objects should be placed over or near the airbag modules on the steering wheel, instrument panel, and the front passenger's panel above the glove box, because any such object could cause harm if the vehicle is in a crash severe enough to cause the airbags to inflate.**
- **If the airbags inflate, they must be replaced by an authorized Hyundai dealer.**
- **Do not tamper with or disconnect SRS wiring, or other components of the SRS system. Doing so could result in injury, due to accidental firing of the airbags or by rendering the SRS inoperative.**
- **Do not install a child restraint system in the front passenger seat position. A child restraint system must never be placed in the front seat. The infant or child could be severely injured or killed by an airbag deployment in case of an accident.**
- **Do not allow children to ride in the front passenger seat. If older children (teenages and older) must ride in the front seat, make sure they are always properly belted and that the seat is moved back as far as possible.**
- **For maximum safety protection in all types of crashes, all occupants including the driver should always wear their seat belts whether or not an airbag is also provided at their seating position to minimize the risk of severe injury or death in the event of a crash. Do not sit or lean unnecessarily close to the airbag while the vehicle is in motion.**
- **The SRS airbag system must deploy very rapidly to provide protection in a crash. If an occupant is out of position because of not wearing a seat belt, the airbag may forcefully contact the occupant causing serious or fatal injuries.**

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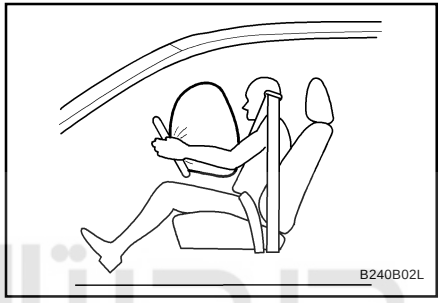
SRS Components and Functions



The SRS consists of the following components:

- Driver's Airbag Module
- Passenger's Airbag Module
- Knee Bolster (If installed)
- SRS Service Reminder Indicator (SRI)
- SRS Control Module (SRSCM)

The SRSCM continually monitors all elements while the ignition is "ON" to determine if a frontal or near-frontal impact is severe enough to require airbag deployment.



The SRS service reminder indicator (SRI) on the instrument panel will blink for about 6 seconds after the ignition key is turned to the "ON" position or after the engine is started, after which the SRI should go out.



The airbag modules are located both in the center of the steering wheel and in the front passenger's panel above the glove box. When the SRSCM detects a considerable impact to the front of the vehicle, it will automatically deploy the airbags.

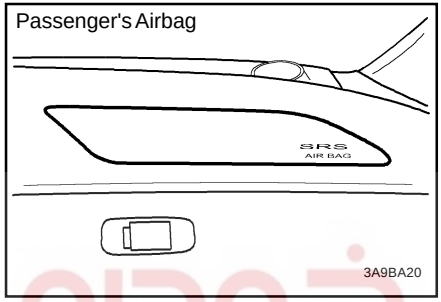
Upon deployment, tear seams molded directly into the pad covers will separate under pressure from the expansion of the airbags. Further opening of the covers then allows full inflation of the airbags.

A fully inflated airbag in combination with a properly worn seat belt slows the driver's or the passenger's forward motion, thus reducing the risk of head or chest injury.

After complete inflation, the airbag immediately starts deflating, enabling the driver to maintain forward visibility.

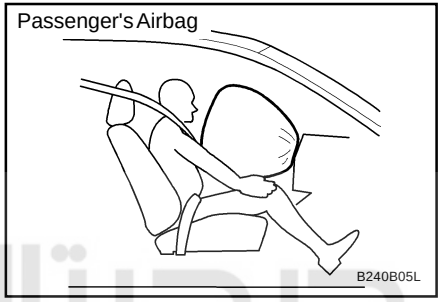
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CAUTION:

When installing the container of liquid air freshener inside a vehicle, do not place it near the instrument cluster nor on the crash pad surface. If there is any leakage from the air refresher onto these areas (Instrument cluster, crash pad or air ventilator), it may damage these parts. If the liquid from air refresher does leak onto these areas, wash them with water immediately.

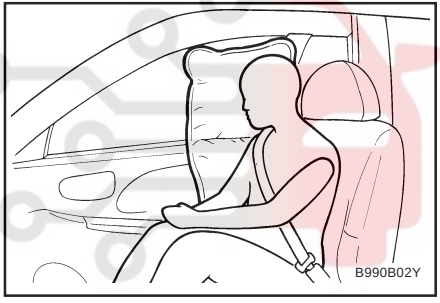


WARNING:

- **When the SRS is activated, there may be a loud noise and fine dust will be released through the vehicle. These conditions are normal and are not hazardous. However, the fine dust generated during airbag deployment may cause skin irritation. Wash your hands and face thoroughly with lukewarm water and a mild soap after an accident in which the airbags were deployed.**
- **The SRS can function only when the ignition key is in the "ON" position. If the SRS SRI does not come on, or continuously remains on after flashing for about 6 seconds when the ignition key is turned to the "ON" position, or after the engine is started, comes on while driving, the SRS is not working properly. If this occurs, have your vehicle immediately inspected by your Hyundai dealer.**
- **Before you replace a fuse or disconnect a battery terminal, turn the ignition key to the "LOCK" position or remove the ignition key. Never remove or replace the air bag related fuse(s) when the ignition key is in the "ON" position. Failure to heed this warning will cause the SRS SRI to illuminate.**

B990B04Y-AAT

Side Impact Airbag (If installed)

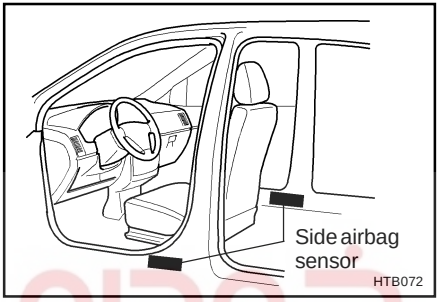


Your Hyundai is equipped with a side impact airbag in each front seat. The purpose of the airbag is to provide the vehicle's driver and/or the front passenger with additional protection than that offered by the seat belt alone. The side impact airbags are designed to deploy only during certain side-impact collisions, depending on the crash severity, angle, speed and point of impact. The side impact airbags are not designed to deploy in all side impact situations.

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WARNING:

- **The side impact airbag is supplemental to the driver's and the passenger's seat belt systems and is not a substitute for them. Therefore your seat belts must be worn at all times while the vehicle is in motion. The airbags deploy only in certain side impact conditions severe enough to cause significant injury to the vehicle occupants.**
- **For best protection from the side impact airbag system and to avoid being injured by the deploying side impact airbag, both front seat occupants should sit in an upright position with the seat belt properly fastened. The driver's hands should be placed on the steering wheel at the 9:00 and 3:00 o'clock positions. The passenger's arms and hands should be placed on their laps.**
- **Do not use any accessory seat covers.**
- **Use of seat covers could prevent or reduce the effectiveness of the system.**
- **Do not install any accessories on the side or near the side impact airbag.**
- **Do not use excessive force on the side of the seat.**
- **Do not place any objects over the airbag or between the airbag and yourself.**
- **Do not place any objects (an umbrella, bag, etc.) between the front door and the front seat. Such objects may become dangerous projectiles and cause injury if the supplemental side impact air bag inflates.**
- **To prevent unexpected deployment of the side air bag that may result in personal injury,avoid impact to the side impact airbag sensor when the ignition key is on.**

B240C01HP-AAT

SRS Care

The SRS is virtually maintenance-free and so there are no parts you can safely service by yourself. The entire SRS system must be inspected by an authorized Hyundai dealer 10 years after the date that the vehicle was manufactured.

Any work on the SRS system, such as removing, installing, repairing, or any work on the steering wheel must be performed by a qualified Hyundai technician. Improper handling of the SRS system may result in serious personal injury.



WARNING:

- **Extreme Hazard! Do not use a rearward facing restraint on a seat protected by an airbag in front of it!**
- **Modification to SRS components or wiring, including the addition of any kind of badges to the pad covers or modifications to the body structure, can adversely affect SRS performance and lead to possible injury.**
- **For cleaning the airbag pad covers, use only a soft, dry cloth or one which has been moistened with plain water. Solvents or cleaners could adversely affect the airbag covers and proper deployment of the system.**

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- No objects should be placed over or near the airbag modules on the steering wheel, instrument panel, and the front passenger's panel above the glove box, because any such object could cause harm if the vehicle is in a crash severe enough to cause the airbags to inflate.
- If the airbags inflate, they must be replaced by an authorized Hyundai dealer.
- Do not tamper with or disconnect SRS wiring, or other components of the SRS system. Doing so could result in injury, due to accidental firing of the airbags or by rendering the SRS inoperative.
- Do not install a child restraint system in the front passenger seat position.
- A child restraint system must never be placed in the front seat. The infant or child could be severely injured by an airbag deployment in case of an accident.
- If components of the airbag system must be discarded, or if the vehicle must be scrapped, certain safety precautions must be observed. Your Hyundai dealer knows these precautions and can give you the necessary information. Failure to follow these precautions and procedures could increase the risk of personal injury.
- If you sell your vehicle, make certain that this manual is transferred to the new owner.
- If your car was flooded and has soaked carpeting or water on flooring, you shouldn't try to start engine; have the car towed to authorized Hyundai dealer.
- Do not replace the bumper or the bumper guard with the one other than the Hyundai genuine parts. Otherwise, it can adversely affect SRS performance and lead to unexpected injury.

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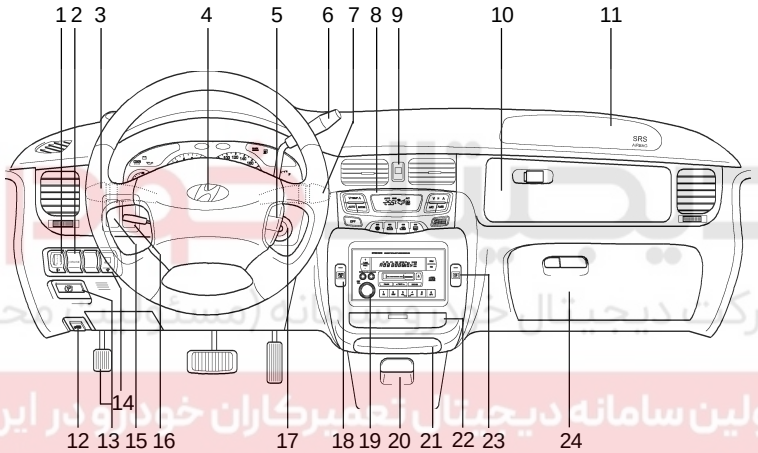
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B250A03B-AAT

INSTRUMENTS AND CONTROLS



CAUTION:
When installing a container of liquid air freshener inside the vehicle, do not place it near the instrument cluster nor on the instrument panel surface. If there is any leakage from the air freshener onto these areas (Instrument cluster, instrument panel or air ventilator), it may damage these parts. If the liquid from the air freshener does leak onto these areas, wash them with water immediately.

3A9AA03-1

1. Headlamp Leveling Device Switch (If installed)
2. Cruise Control Main Switch (If installed)
3. Multi-Function Light Switch
4. Horn and Driver's Airbag
5. Cruise Control Switch (If installed)
6. Automatic Shift Lever (If installed)
7. Windshield Wiper/Washer Switch
8. Heater/Air Conditioning Control Panel
9. Hazard Warning Light Switch
10. Upper Tray
11. Passenger's Airbag (If installed)
12. Hood Release Lever
13. Parking Brake Release Lever/Parking Brake
14. Panel Brightness Control Knob (Rheostat Switch)
15. Rear Wiper and Washer Switch (If installed)
16. Outside Mirror Folding Switch (If installed)
17. Ignition Switch
18. Rear Air Conditioning Switch (If installed)
19. Audio System
20. Multi Box
21. Ashtray
22. Center Tray
23. Rear Fog Light Switch (If installed)
24. Glove Box

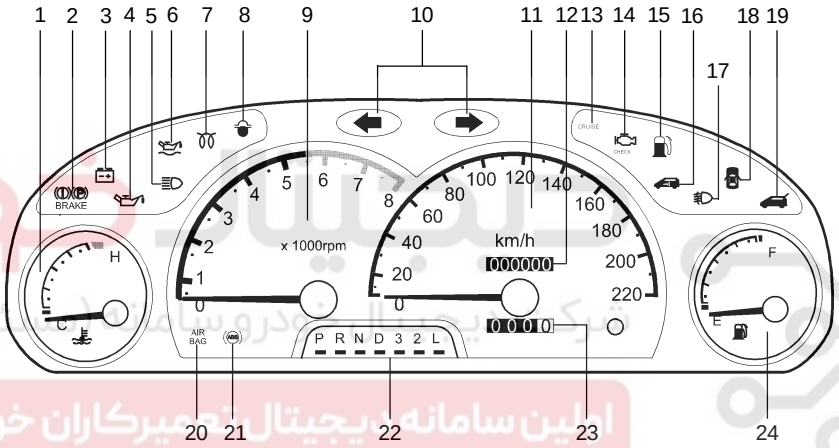
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B260A04B-AAT

INSTRUMENT CLUSTER AND INDICATOR



HFO012

1. Coolant Temperature Gauge
2. Parking Brake/Low Brake Fluid Level Warning Light
3. Charging System Warning Light
4. Low Oil Pressure Warning Light
5. High Beam Indicator Light
6. Engine Oil Level Warning Light (Diesel Engine)(If installed)
7. Diesel Preheat Indicator Light (Diesel Engine)
8. Fuel Filter Warning Light (Diesel Engine)
9. Tachometer
10. Turn Signal Indicator Light
11. Speedometer
12. Odometer
13. Cruise Indicator Light (If installed)
14. Malfunction Indicator Light (MIL)
15. Low Fuel Warning Light
16. Immobilizer Warning Indicator Light (If installed)
17. Front Fog Indicator Light (If installed)
18. Door Ajar Warning Light
19. Tail Gate Open Warning Light
20. Supplemental Restraint (Air Bag) System Service Reminder Indicator (SRI)(If installed)
21. Anti-Lock Brake Warning Light (If installed)
22. Automatic Transaxle Position Indicator Light (If installed)
23. Trip Odometer
24. Fuel Gauge

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B260D01A-AAT

TURN SIGNAL INDICATOR LIGHTS

The blinking green arrows on the instrument panel show the direction indicated by the turn signals. If the arrow comes on but does not blink, blinks more rapidly than normal, or does not blink at all, a malfunction in the turn signal system is indicated. Your dealer should be consulted for repairs.

B260P02Y-AAT

ABS SERVICE REMINDER INDICATOR (If installed)

When the key is turned to the "ON" position, the Anti-Lock Brake System SRI will come on and then go off in a few seconds. If the ABS remains on, comes on while driving, or does not come on when the key is turned to the "ON" position, this indicates that there may be a problem with the ABS.
If this occurs, have your vehicle checked by your Hyundai dealer as soon as possible. The normal braking system will still be operational, but without the assistance of the anti-lock brake system.

WARNING:

If the both ABS SRI and Parking Brake/Brake fluid level warning lights remain "ON" or come on while driving, there may be a problem with E.B.D (Electronic brake force distribution).
If this occurs, avoid sudden stops and have your vehicle checked by your Hyundai dealer as soon as possible.

B260F01A-AAT

HIGH BEAM INDICATOR LIGHT

The high beam indicator light comes on whenever the headlights are switched to the high beam or flash position.

B260G01A-AAT

OIL PRESSURE WARNING LIGHT

CAUTION:

If the oil pressure warning light stays on while the engine is running, serious engine damage may result. The oil pressure warning light comes on whenever there is insufficient oil pressure. In normal operation, it should come on when the ignition switch is turned on, then go out when the engine is started. If the oil pressure warning light stays on while the engine is running, there may be a serious malfunction.

If this happens, stop the car as soon as it is safe to do so, turn off the engine and check the oil level. If the oil level is low, fill engine oil to the proper level and start the engine again. If the light stays on with the engine running, turn the engine off immediately. In any instance where the oil light stays on when the engine is running, the engine should be checked by an authorized Hyundai dealer before the car is driven again.

B260H03A-AAT

PARKING BRAKE/BRAKE FLUID LEVEL WARNING LIGHT

WARNING:

If you suspect brake trouble, have your brakes checked by a Hyundai dealer as soon as possible. Driving your car with a problem in either the brake electrical system or brake hydraulic system is dangerous, and could result in a serious injury or death.

Warning Light Operation

The parking brake/brake fluid level warning light should come on when the parking brake is applied and the ignition switch is turned to "ON" or "START". After the engine is started, the light should go out when the parking brake is released.
If the parking brake is not applied, the warning light should come on when the ignition switch is turned to "ON" or "START", then go out when the engine starts. If the light comes on at any other time, you should slow the vehicle and bring it to a complete stop in a safe location off the roadway.
The brake fluid level warning light indicates that the brake fluid level in the brake master cylinder is low and hydraulic brake fluid conforming to DOT 3 or DOT 4 specifications should be added. After adding fluid, if no other trouble is found, the car should be immediately and carefully driven to a Hyundai dealer for inspection. If further trouble is experienced, the vehicle should not be driven

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at all but taken to a dealer by a professional towing service or some other safe method.
Your Hyundai is equipped with dual-diagonal braking systems. This means you still have braking on two wheels even if one of the dual systems should fail. With only one of the dual systems working, more than normal pedal travel and greater pedal pressure are required to stop the car. Also, the car will not stop in as short a distance with only half of the brake system working. If the brakes fail while you are driving, shift to a lower gear for additional engine braking and stop the car as soon as it is safe to do so.

B260J01A-GAT

CHARGING SYSTEM WARNING LIGHT

The charging system warning light should come on when the ignition is turned on, then go out when the engine is running. If the light stays on while the engine is running, there is a malfunction in the electrical charging system. If the light comes on while you are driving, stop, turn off the engine and check under the hood. First, make certain the generator drive belt is in place. If it is, check the tension of the belt.

B260A01B-GAT

FRONT FOG INDICATOR LIGHT (If installed)

This front fog indicator light comes on whenever the front fog lamp switches are on.

B260L01Y-AAT

DOOR AJAR WARNING LIGHT AND CHIME

The door ajar warning light warns you that a door is not completely closed and the chime warns you that driver's side front door is not completely closed.

NOTE:

To remind you not to lock the key inside the car, the warning light comes on whenever the key is in the "LOCK" position and a door is open. The warning chime only sounds whenever the key is in the "LOCK" position and driver's side front door is open. The chime sounds and the light remains on until the key is removed from the ignition.

B260M01A-AAT

LOW FUEL LEVEL WARNING LIGHT

The low fuel level warning light comes on when the fuel tank is approaching empty. When it comes on, you should add fuel as soon as possible. Driving with the fuel level warning light on or with the fuel level below "E" can cause the engine to misfire and damage the catalytic converter.

B260B01B-GAT

TAIL GATE OPEN WARNING LIGHT

This light remains on unless the tail gate is completely closed.

B260B01A-AAT

SRS (AIRBAG) SERVICE REMINDER INDICATOR (SRI) (If installed)

The SRS service reminder indicator (SRI) comes on and flashes for about 6 seconds after the ignition key is turned to the "ON" position or after the engine is started, after which it will go out.

This light also comes on when the SRS is not working properly. If the SRI does not come on, or continuously remains on after flashing for about 6 seconds when you turned the ignition key to the "ON" position or started the engine, or if it comes on while driving, have the SRS inspected by an authorized Hyundai Dealer.

B260N01A-AAT

MALFUNCTION INDICATOR LIGHT (If installed)

This light illuminates when there is a malfunction of an exhaust gas related component, and the system is not functioning properly so that the exhaust gas regulation values are not satisfied. This light will also illuminate when the ignition key is turned to the "ON" position, and then it will go out in a few seconds. If it illuminates while driving, or does not illuminate when the ignition key is turned to the "ON" position, take your car to your nearest authorized Hyundai dealer and have the system checked.

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B260Q01Y-GAT

CRUISE INDICATOR LIGHT (If installed)

The cruise indicator light in the instrument cluster is illuminated only when the vehicle cruising speed has been set using the control switch on the steering wheel.
The indicator light does not illuminate when the main cruise control switch is activated.
Information about the use of cruise control is beginning on page 1-55.

B260S01B-GAT

DIESEL PREHEAT INDICATION LIGHT-AMBER (Diesel Engine)

The indication light illuminates amber when the ignition switch is placed at the "ON" position. The engine can be started after the preheat indication light goes off. The illuminating time varies with the water temperature, air temperature and battery condition.

NOTE:

If the engine were not started 10 seconds after the preheating is completed, turn the ignition key once more to the "LOCK" position, and then to the "ON" position, in order to preheat again.

B265A01B-GAT

FUEL FILTER WARNING LAMP-RED (Diesel Engine)

This lamp illuminates when the ignition switch is set to the "ON" position and goes off after the engine has started. If it lights up while the engine is running, it indicates that water has accumulated inside the fuel filter. If this happens, remove the water from the fuel filter.
(Refer to "Do-It-Yourself Maintenance")

B260K01O-GAT

ENGINE OIL LEVEL WARNING LIGHT (Diesel Engine) (If installed)

This light is illuminated when the engine oil level should be checked.
If the light comes on while the engine is running, take your vehicle to a level ground and keep the engine turned on for several minutes.
If it remains on, check the oil level. (See page. 6-5)
In case that the engine oil level is below the "L" mark, add engine oil. (See page. 6-5)

CAUTION:

If the light comes on after adding the engine oil, take your vehicle to your nearest authorized Hyundai dealer and have the system checked. The warning light can come on due to road and driving conditions and no necessarily indicates an insufficient amount of engine oil.

Even if this light doesn't come on, the engine oil should be checked and replaced at the intervals specified in the vehicle maintenance schedule in section 5.

B270A01A-AAT

BRAKE PAD WEAR WARNING SOUND

The front disc brake pads have wear indicators that should make a high-pitched squealing or scraping noise when new pads are needed. The sound may come and go or be heard all the time when the vehicle is moving. It may also be heard when the brake pedal is pushed down firmly. Excessive rotor damage will result if the worn pads are not replaced. See your Hyundai dealer immediately.

B900A01A-GAT

ACOUSTIC WARNING SOUND (If installed)

The acoustic warning chime sounds when the tail lights are on and the driver's side door is open. This prevents the battery from discharging by warning you when the car is left with the tail lights on. The chime sounds until the tail lights are turned off.

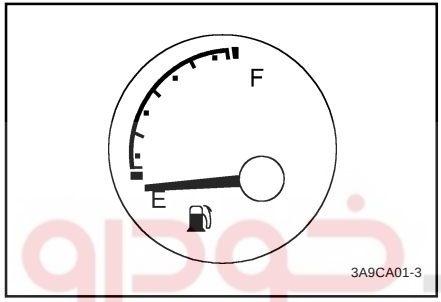
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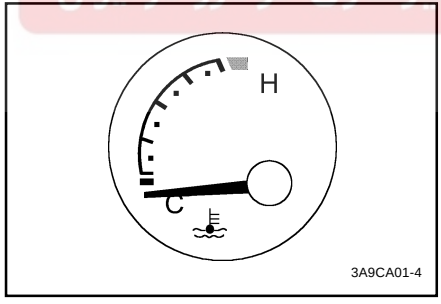
FUEL GAUGE



The needle on the gauge indicates the approximate fuel level in the fuel tank. The fuel capacity is given in Section 9.

B290A02A-AAT

ENGINE COOLANT TEMPERATURE GAUGE



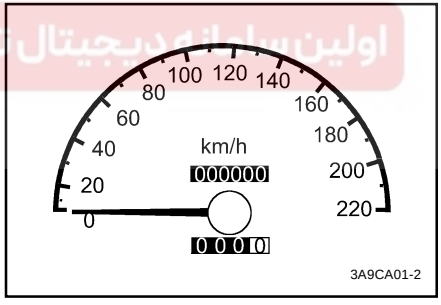
WARNING:

Never remove the radiator cap when the engine is hot. The engine coolant is under pressure and could erupt and cause severe burns. Wait until the engine is cool before removing the radiator cap.

The needle on the engine coolant temperature gauge should stay in the normal range. If it moves across the dial to "H" (Hot), pull over and stop as soon as possible and turn off the engine. Then open the hood and, after the engine has cooled, check the coolant level and the water pump drive belt. If you suspect cooling system trouble, have your cooling system checked by a Hyundai dealer as soon as possible.

B300A01Y-GAT

SPEEDOMETER



Your Hyundai's speedometer is calibrated in kilometers per hour or miles per hour.

B310A01A-GAT

ODOMETER

The odometer records the total driving distance in kilometers or miles, and is useful for keeping a record for maintenance intervals.

NOTE:

Any alteration of the odometer may void your warranty coverage.

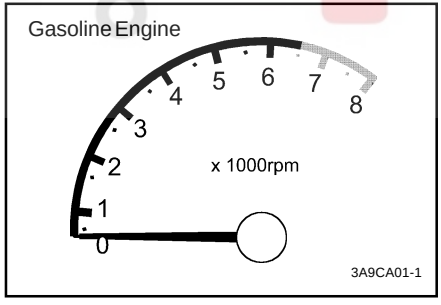
B320A01Y-GAT

TRIP ODOMETER

The trip odometer records distance in miles or kilometers. It is equipped with a push-button reset feature. This allows you to return the trip odometer to zero by pushing in on the small knob at the bottom of the speedometer.

B330A01L-AAT

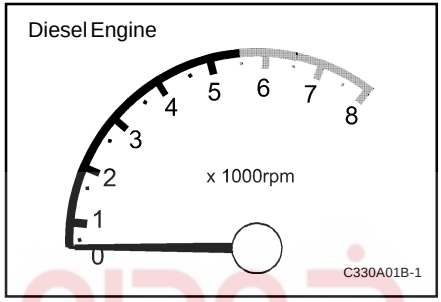
TACHOMETER



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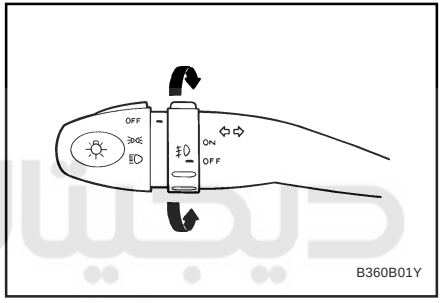
The tachometer registers the speed of your engine in revolutions per minute (rpm).

CAUTION:

The engine should not be raced to such a speed that the needle enters the red zone on the tachometer face. This can cause severe engine damage and may void your warranty.

B360B01Y-GAT

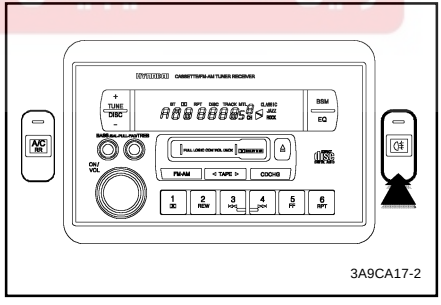
FRONT FOG LIGHT SWITCH (If installed)



To turn on the front fog lights, place the switch in the "ON" position. They will light when the headlight switch is in the first or second position.

B360A01Y-GAT

REAR FOG LIGHT SWITCH (If installed)



To turn on the rear fog lights, push the switch. They will come on when the headlight switch is in the second position and the key is in the "ON" position.

B340A01A-AAT

COMBINATION TURN SIGNAL, HEADLIGHT AND HIGH-BEAM SWITCH

Turn Signal Operation

Pulling down on the lever causes the turn signals on the left side of the car to blink. Pushing upwards on the lever causes the turn signals on the right side of the car to blink. As the turn is completed, the lever will automatically return to the center position and turn off the turn signals at the same time. If either turn signal indicator light blinks more rapidly than usual, goes on but does not blink, or does not go on at all, there is a malfunction in the system. Check for a burned-out fuse or bulb or see your Hyundai dealer.

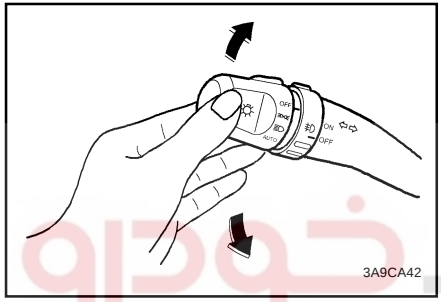
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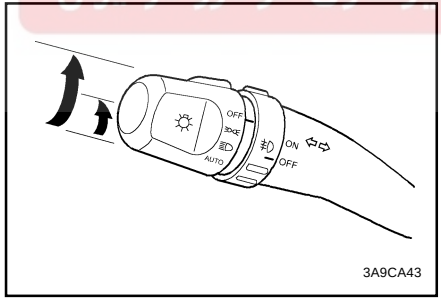
Lane Change Signal



To indicate a lane change, move the lever up or down to a point where it begins flashing.
The lever will automatically return to the center position when released.

B340C03A-AAT

Headlight Switch



To operate the headlights, turn the barrel on the end of the multi-function switch. The first position turns on the parking lights, sidelights, tail lights and instrument panel lights. The second position turns on the headlights.

NOTE:
The ignition must be in the "ON" position to turn on the headlights.

Parking light auto cut

If you do not turn the parking light "OFF" after driving, the parking lights will automatically shut "OFF" when the driver's door is opened. To turn then "ON" again, you must simply turn the ignition key to the "ON" position.

B340F01A-GAT

Daytime Running Lights (If Installed)

Your Hyundai is equipped with daytime running lights. The daytime running lights are used to improve visibility for oncoming traffic. Your vehicle daytime running lights are designed to remain on continuously when the engine is operating even though the headlight switch is in the "OFF" position. However, the daytime running lights will be off while the parking brake is applied.

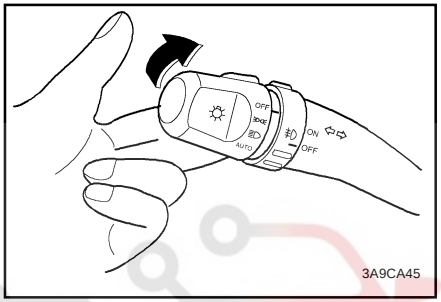
B340D01A-AAT

High-beam Switch

To turn on the headlight high beams, push the lever forward (away from you). The High Beam Indicator Light will come on at the same time. For low beams, pull the lever back toward you.

B340E01A-AAT

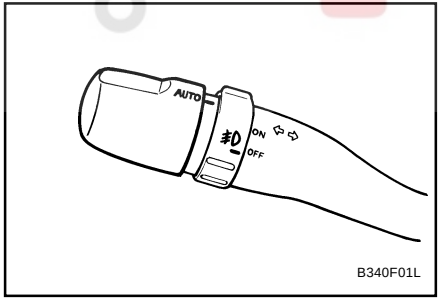
Headlight Flasher



To flash the headlights, pull the switch lever toward you, then release it. The headlights can be flashed even though the headlight switch is in the "OFF" position.

B340G01L-GAT

Auto Light (If installed)



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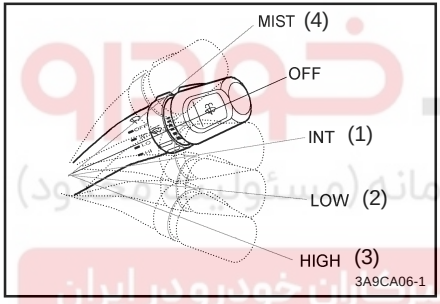
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To operate the automatic light feature, turn the barrel on the end of the multi-function switch. If you set the multi-function switch to "AUTO", the tail lights and headlights will be turned on or off automatically according to external illumination.

B350A01B-GAT

WINDSHIELD WIPER AND WASHER SWITCH



The windshield wiper switch has four positions:

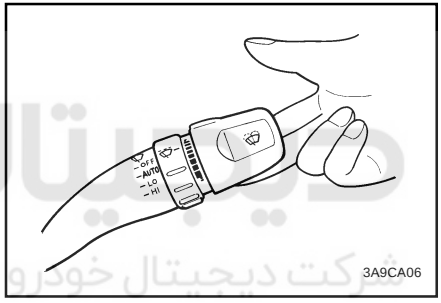
1. Intermittent wiper operation
2. Low-speed operation
3. High-speed operation
4. Mist wiper operation

NOTE:

To prevent damage to the wiper system, do not attempt to wipe away heavy accumulations of snow or ice. Accumulated snow and ice should be removed manually. If there is only a light layer of snow or ice, operate the heater in the defrost mode to melt the snow or ice before using the wiper.

B350B01A-AAT

Windshield Washer Operation



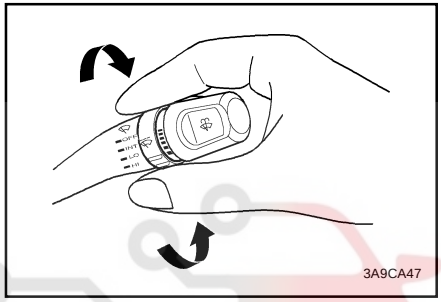
To use the windshield washer, pull the wiper/washer lever toward the steering wheel. When the washer lever is operated, the wipers automatically make two passes across the windshield. The washer continues to operate until the lever is released.

NOTE:

- **Do not operate the washer more than 15 seconds at a time or when the fluid reservoir is empty.**
- **In icy or freezing weather, be sure the wiper blades are not frozen to the glass prior to operating the wipers.**
- **In areas where water freezes in winter, use windshield washer antifreeze.**

B350C01Y-AAT

Adjustable Intermittent Wiper Operation



To use the intermittent wiper feature, place the wiper switch in the "INT" position. With the switch in this position, the interval between wipes can be varied from approximately 2 to 10 seconds by turning the interval adjuster barrel.

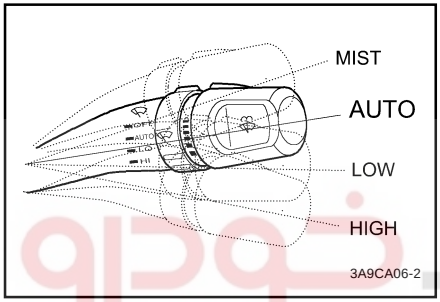
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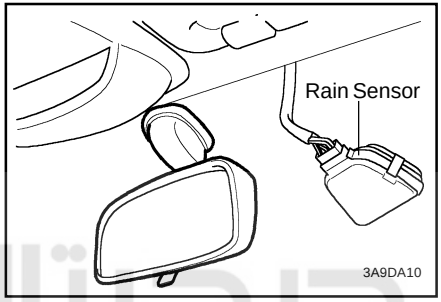
B350B01B-AAT

Auto Wiper Operation (If installed)



When the windshield wiper switch is placed in the "AUTO" position, the rain sensor located on the upper end of windshield glass senses the amount of rainfall and controls for the appropriate length of the intervals between wipes appropriately.

NOTE:
If there is heavy accumulation of snow or ice on the windshield glass, there will be a 10 minute waiting period prior to the operation of the windshield wipers.

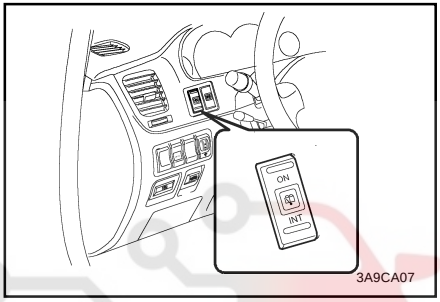


WARNING:
When the ignition switch is on and the windshield wiper switch is placed in the "AUTO" mode, please use caution in the following cases to avoid any hand injury:
As the wiper system may automatically activate, the fingers or hand might be caught in the wiper.

- **Do not touch the upper end of the windshield glass facing the rain sensor.**
- **Do not wipe the upper end of the windshield glass with a cloth.**
- **Do not put pressure on the windshield glass.**

B390A02S-AAT

REAR WINDOW WIPER AND WASHER (If installed)



The rear window wiper and washer are turned on by depressing the button. Washer fluid is sprayed onto the glass as long as the is depressed.

1. When the "ON" position is depressed, the rear window wiper starts to operate continuously.
2. When the "INT" position is depressed, the interval between wipes operates every five seconds intermittently.
3. When the " " position is depressed, the rear window wiper starts to operate three times after the washer fluid sprays onto the rear window.

Do not operate the washer continuously for more than 15 seconds or when the fluid reservoir is empty; this could damage the system. Do not operate the wiper when the window is dry; this can result in scratching as well as premature wiper blade wear.

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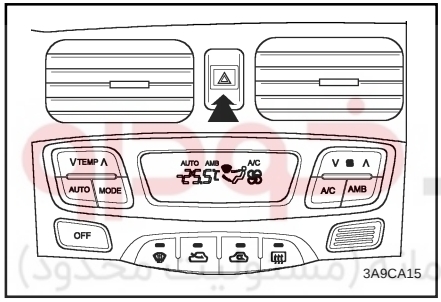
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For the same reason, do not operate the washer when the washer fluid reservoir is empty.

B370A01A-AAT

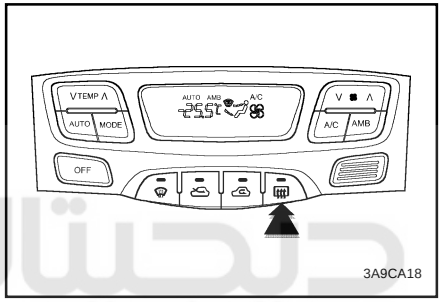
HAZARD WARNING SYSTEM



The hazard warning system should be used whenever you find it necessary to stop the car in a hazardous location. When you must make such an emergency stop, always pull off the road as far as possible.
The hazard warning lights are turned on by pushing in the hazard switch. This causes all turn signal lights to blink. The hazard warning lights will operate even though the key is not in the ignition.
To turn the hazard warning lights off, push the switch a second time.

B380A01Y-AAT

REAR WINDOW DEFROSTER SWITCH



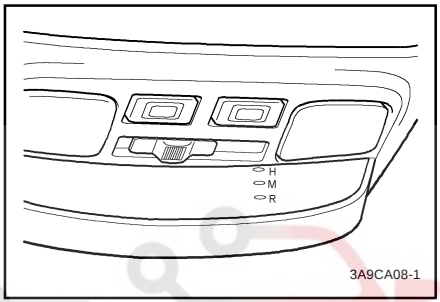
The rear window defroster and heated outside rear view mirrors are turned on by pushing in the switch. At the same time, the rear window defroster indicator light on the switch is turned on. To turn the defroster off, push the switch a second time. The rear window defroster automatically turns itself off after about 15 minutes. To restart the defroster cycle, push in the switch again after it has turned itself off.

CAUTION:
Do not clean the inner side of the rear window glass with an abrasive type of glass cleaner or use a scraper to remove the foreign deposits from the inner surface of the glass as this may cause damage to the defroster elements.

NOTE:
The ignition must be in the "ON" position for the rear window defroster to operate.

B400A01A-AAT

DIGITAL CLOCK



There are three control buttons for the digital clock. Their functions are:

HOUR - Push "H" to advance the hour indicated.
MIN - Push "M" to advance the minute indicated.
RESET - Push "R" to reset minutes to ":00" to facilitate resetting the clock to the correct time. When this is done:

Pressing "R" between 10 : 30 and 11 : 29 changes the readout to 11 : 00.
Pressing "R" between 11 : 30 and 12 : 29 changes the readout to 12 : 00.

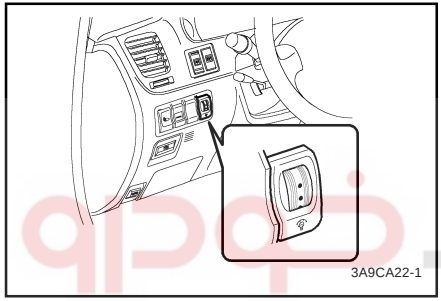
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B410A01A-AAT

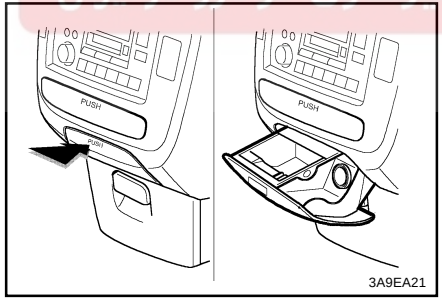
INSTRUMENT PANEL LIGHT CONTROL (RHEOSTAT) (If installed)



The instrument panel lights can be made brighter or dimmer by turning the instrument panel light control knob.

B420A02A-AAT

CIGARETTE LIGHTER

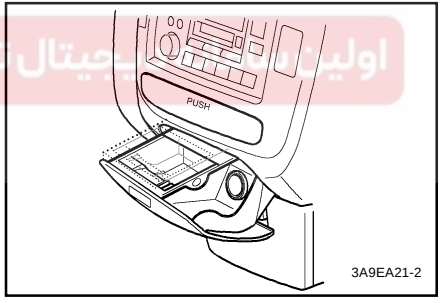


For the cigarette lighter to work, the key must be in the "ACC" position or the "ON" position.
To use the cigarette lighter, push it all the way into its socket. When the element has heated, the lighter will pop out to the "ready" position.
Do not hold the cigarette lighter pressed in. This can damage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

CAUTION:
Do not use electric accessories or equipment other than the Hyundai genuine parts in this socket.

B430A01F-AAT

FRONT ASHTRAY

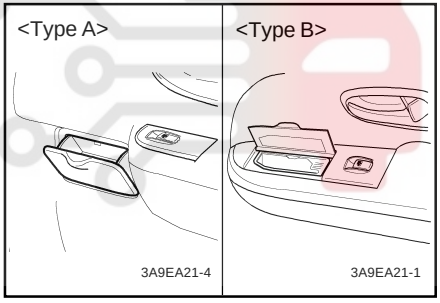


The front ashtray may be opened by pushing and releasing the ashtray/cigarette lighter door at its top edge.

To remove the ashtray to clean it, the metal ash receptacle should be removed from the ashtray door. Do not attempt to remove the entire ashtray door assembly or damage will result. Instead, push the metal ash receptacle down and forward in the ashtray door, and it can then be lifted out. To reinstall it, place it in the proper position and press it down and forward to engage the ash receptacle rear lip in the ashtray door. The ashtray lamp will only illuminate when the exterior body lights are switched on.

B440D01B-GAT

REAR ASHTRAY



The rear ashtray may be opened by pulling the lid out. To remove the ashtray to empty or clean it, lift it up slightly and pull it all the way out.

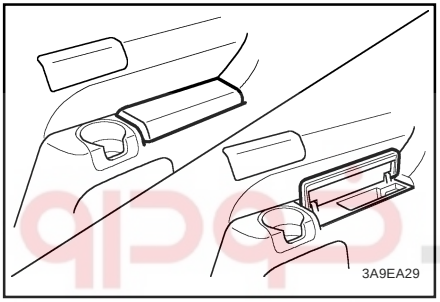
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REAR DRINK HOLDER AND TRAY (If installed)

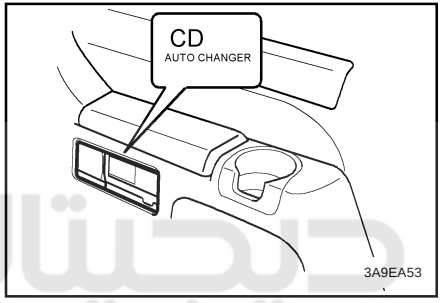


The rear drink holder and tray, which are used to hold a cup and to store small commodities, are located on the quarter trim.

WARNING:
Avoid placing objects other than cups or cans in the drink holder. The objects can be displaced in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.

B450B01B-GAT

CD AUTO CHANGER (If installed)

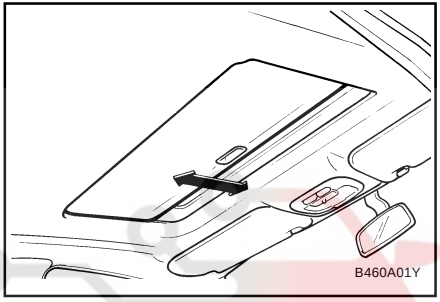


The CD Auto Changer that is connected with audio is located in the left side of quarter trim. This system features convenient device that can store up to 8 CDs.
You may select to listen to music without changing disks. First, open the CD Auto Changer door, remove the CD "magazine", and insert up to 8 CDs. Then, push the magazine into the CD Auto Changer and operate audio that is located in the driver side.

B460A01Y-AAT

SUNROOF (If installed)

Sun Shade



Your HYUNDAI is equipped with a sliding sunshade which you can manually adjust to let in light with the sunroof closed, or to block sunlight.

WARNING:
Never adjust the sunshade while driving.

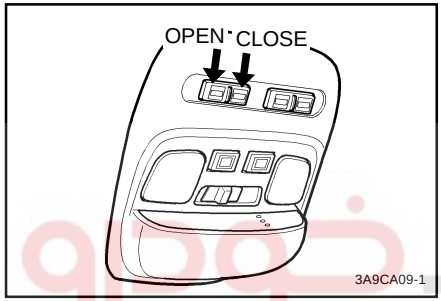
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B460B01Y-AAT

Opening the Sunroof System



The sunroof can be electrically opened or closed with the ignition key in the "ON" position. To open or to close, press and hold the button located in the front of the roof panel. Release the button when the sunroof reaches the desired position.

WARNING:

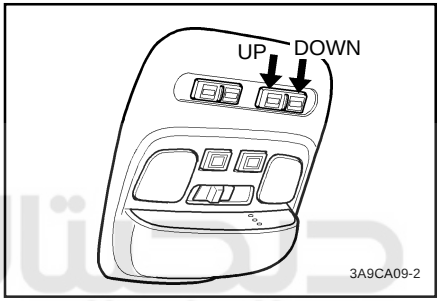
- **Do not close a sunroof if anyone's hands, arms or body are between the sliding glass and the sunroof sash, as this could result in injury.**
- **Do not place your head or arms out of the sunroof opening at any time.**

CAUTION:

- **Do not open the sunroof in severely cold temperature or when it is covered with ice or snow.**
- **Periodically remove any dirt that may have accumulated on the guide rails.**

B460C01Y-AAT

Tilting the Sunroof System



The sunroof can be tilted and closed with the ignition key in the "ON" position. Release the button when the sunroof reaches the desired position.

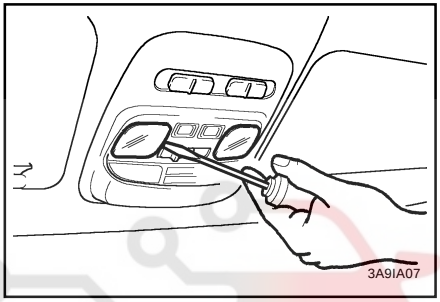
NOTE:

After washing the car or after there is rain, be sure to wipe off any water that is on the sunroof before operating it.

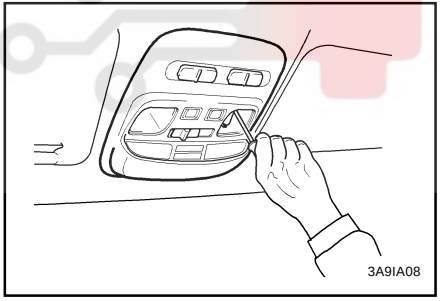
B460D02B-GAT

Manual Operation of Sunroof

If the sunroof does not electrically operate:



1. Remove the rectangular plastic interior light lens in the front of the overhead console.

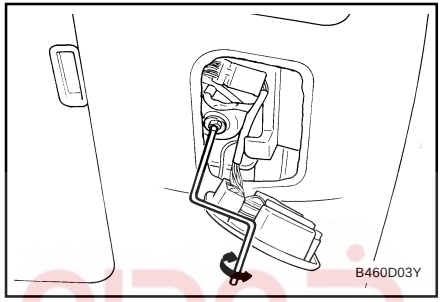


2. Turn the hexagonal bolts counterclockwise to remove the front overhead console with a (+) driver.

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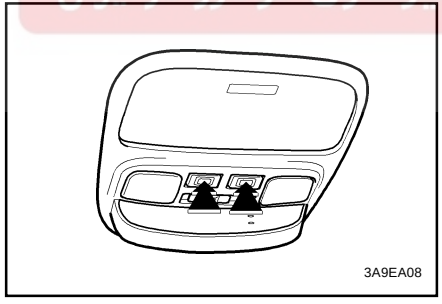


3. Insert the hexagonal head wrench provided with the vehicle into the socket. This wrench can be found in the vehicle's glove box.
4. Turn the wrench clockwise to open or counterclockwise to close the sunroof.

B480A01B-GAT

FRONT INTERIOR LIGHT

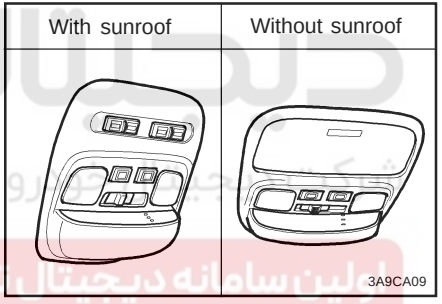
Map Light (If installed)



The two map light switches are located on both sides of the interior light. Push in the map light switch to turn the light on or off. This light produces a spot beam for convenient use as a map light at night or as a personal light for the driver and the passenger.

B490A02Y-AAT

Interior Light



The interior courtesy light has three buttons. The three buttons are:

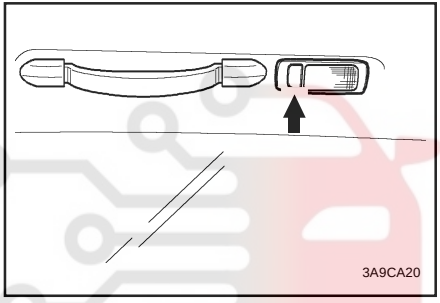
o DOOR
In the "DOOR" position, the interior courtesy light comes on when any door is opened regardless of the ignition key position. The light goes out gradually 6 seconds after the door is closed.

o ON
In the "ON" position, the light stays on at all times.

o OFF
In the "OFF" position, the light stays off at all times even though a door is open.

B490A03B-GAT

SIDE ROOM LIGHT



The four side room light switches are located next to each assist handle.
The light can be turned on or off by pushing the side room right switch.

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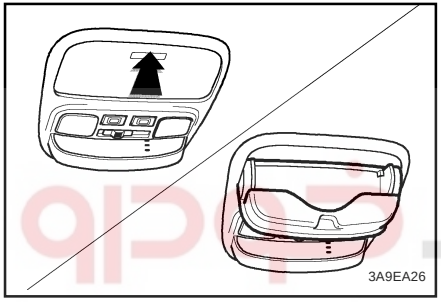
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B491A01B-GAT

SPECTACLE CASE

(Without sunroof) (If installed)



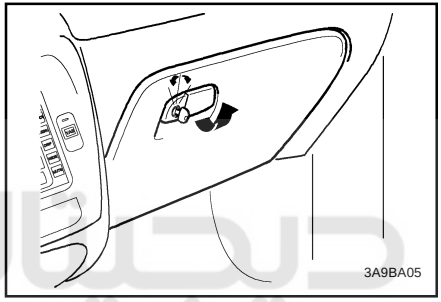
The spectacle case is located on the front overhead console.
Push the end of the cover to open the spectacle case.

WARNING:

Do not keep objects such as sharp or unsuitable things inside the spectacle case. Such objects can be thrown out in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.

B500A01Y-AAT

GLOVE BOX



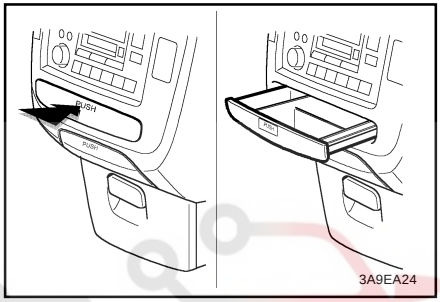
WARNING:

To avoid the possibility of injury in case of an accident or a sudden stop, the glove box door should be kept closed when the car is in motion.

- To open the glove box, pull on the glove box release lever.
- The glove box door can be locked (and unlocked) with the key.

B500A02B-GAT

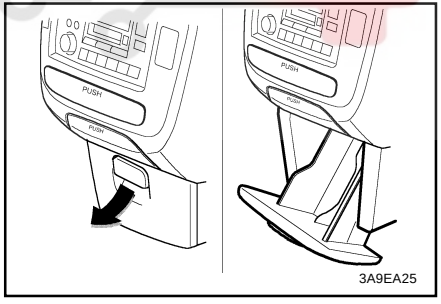
CENTER TRAY



The center tray may be opened by pushing at its top edge.

B500B03B-AAT

MULTI BOX



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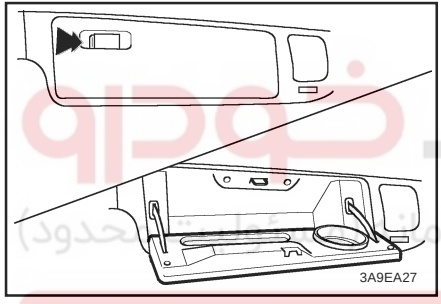
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The multi box may be opened by pulling up the multi box release lever.
It is used for storing CD cases and small articles.

B500C04B-GAT

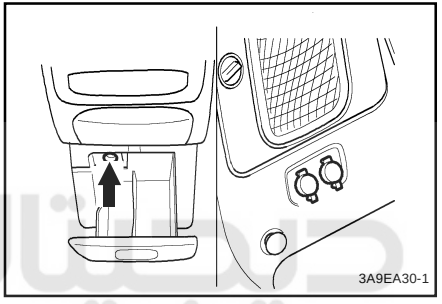
UPPER TRAY



The upper tray may be opened by pressing the button of the left side of the release lock.
It is used not only for storing small commodities but also as a cup holder and a table.

B500D07B-AAT

POWER OUTLET (If installed)



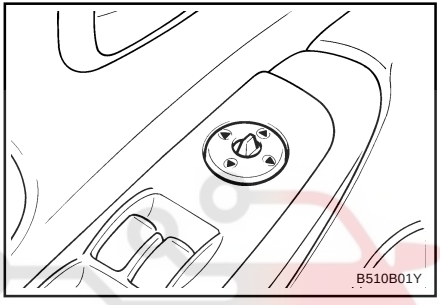
These are located in the multi box and in the quarter trim.
These supply 12V electric power to operate electric accessories or equipment only when the key is in the "ON" or "ACC" position.

CAUTION:
Do not use the power outlet to connect electric accessories or equipment other than those designed to operate on 12 volts.

B510B01A-AAT

OUTSIDE REAR VIEW MIRROR

Electric Type (If installed)



The outside rear view mirror can be adjusted in any direction to give the maximum rear-view vision.
The remote control outside rear view mirror switch controls the adjustments for both right and left door mirror.

To adjust the position of either mirror:

1. Move the selecting switch to the "R" (or "L") position to activate the adjustable mechanism for the adjusting door mirror.
2. Now, adjust mirror angle by depressing the appropriate perimeter switch as illustrated.

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CAUTION:

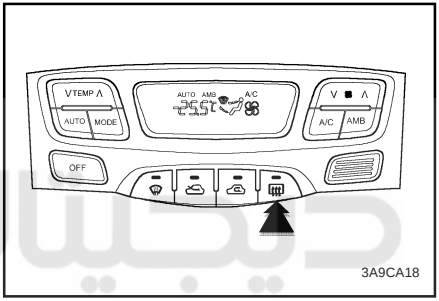
- **Do not leave the switch on for an unnecessary length of time.**
- **Scraping ice from the mirror face could cause permanent damage. To remove any ice, use a sponge, soft cloth or approved deicer.**

WARNING:

Be careful when judging the size or dis-tance of any object seen in the passenger side rear view mirror. It is a convex mirror with a curved surface, any objects seen in this mirror are closer than they appear.

B510D01Y-AAT

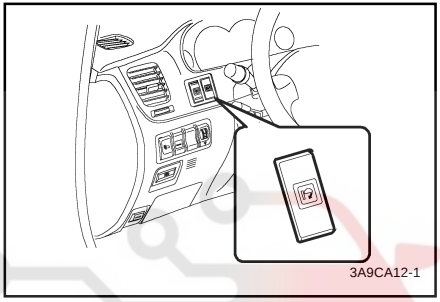
OUTSIDE REAR VIEW MIRROR HEATER (If installed)



The outside rearview mirror heater is actuated in connection with the rear window defroster. To heat the outside rearview mirror glass, push in the switch for the rear window defroster. The rearview mirror glass will be heated for defrosting or defogging and will give you improved rear vision in inclement weather conditions. Push the switch again to turn the heater off. The outside rearview mirror heater automatically turns itself off after 15 minutes.

B510C01B-GAT

OUTSIDE REAR VIEW MIRRORS FOLDING SWITCH (If installed)



Press the switch to fold the outside rearview mirror inward.

To return the mirrors to their original position, press the switch again.

NOTE:

Do not unfold outside rear view mirrors manually. If unfolded manually, the outside rear view mirror may appear to be loose when the vehicle is in motion.

If this occurs, stop the vehicle and press the outside rear view mirror folding switch to unfold the outside rear view mirror. This will correct this temporary dysfunction.

WARNING:

Do not adjust or fold the outside rear view mirrors while the vehicle is moving.

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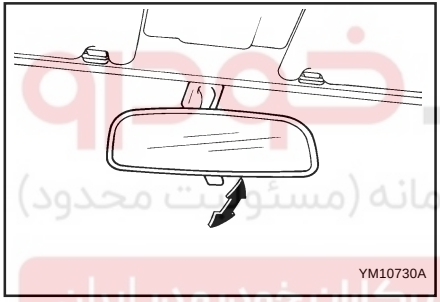
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This could result in losing control of the vehiclel, and an accident causing death, serious injury or property damage.

B520A01A-AAT

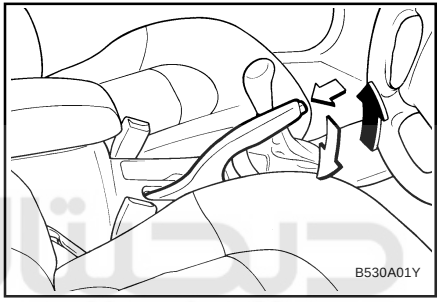
DAY/NIGHT INSIDE REAR VIEW MIRROR



Your Hyundai is equipped with a day/night inside rear view mirror. The "night" position is selected by flipping the tab at the bottom of the mirror toward you. In the "night" position, the glare of headlights of cars behind you is reduced.

B530A01A-AAT

PARKING BRAKE (Lever type)

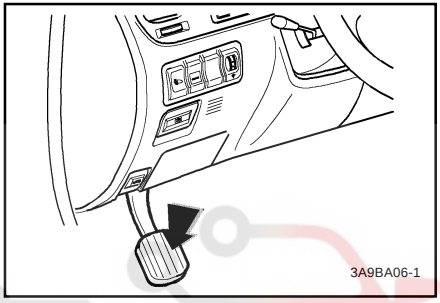


Always engage the parking brake before leaving the car. This also turns on the parking brake indicator light when the key is in the "ON" or "START" position. Before driving away, be sure that the parking brake is fully released and the indicator light is off.

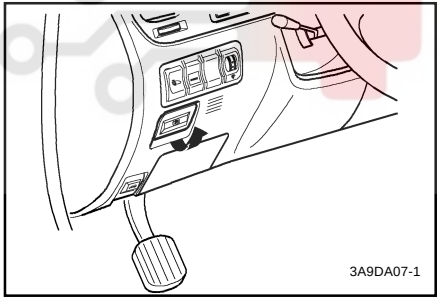
- To engage the parking brake, pull the lever up as far as possible.
- To release the parking brake, pull up and press the thumb button. Then, while holding the button in, lower the brake lever.

B530B01L-GAT

PARKING BRAKE (Foot type)



- To engage the foot type parking brake, depress the parking brake pedal beneath the left side of the lower instrument panel.



- To release the parking brake, pull up the parking brake release lever at the left side of the instrument panel.

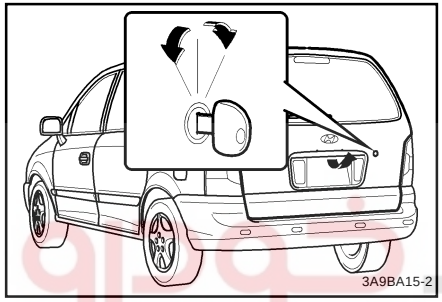
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B540A01O-GAT

TAIL GATE

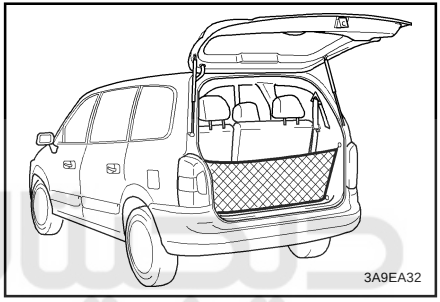


WARNING:
The tail gate should always be kept completely closed while the vehicle is in motion. If it is left open or ajar, poisonous exhaust gases may enter the car resulting in serious illness or death to the occupants. See additional warnings concerning exhaust gases on page 2-1.

- o The tail gate is opened by first turning the key clockwise to release the lock, then raising the door manually.
- o To close, lower the door, then press down on it until it locks. To be sure the door is securely fastened, always try to pull it up again.

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LUGGAGE NET



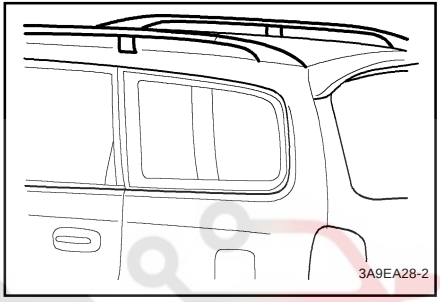
Some objects can be kept in the net in the luggage compartment.
Use the luggage net at the back of the luggage compartment to prevent objects from sliding.

CAUTION:
To prevent damage to the goods or the vehicle, care should be taken when carrying fragile or bulky objects in the luggage compartment.

WARNING:
Avoid eye injury. DO NOT overstretch. ALWAYS keep face and body out of recoil path. DO NOT use when strap has visible signs of wear or damage.

B630A01P-GAT

ROOF RACK (If installed)



If your Hyundai has a roof rack, you can load things on top of your vehicle. Crossrails and fixing components to adapt roof rack on your vehicle may be obtained from an authorized Hyundai dealer.
Hyundai dealers are prepared to provide high quality service that may be required.

CAUTION:
- o **The following specifications are recommended when loading cargo or luggage.**

ROOF RACK	100 kg (220 lb)

- o **Loading cargo or luggage above 100 kg (220 lb) on the roof rack may damage your vehicle.**
  When you carry large objects, never let them hang over the rear or the sides of your vehicle.

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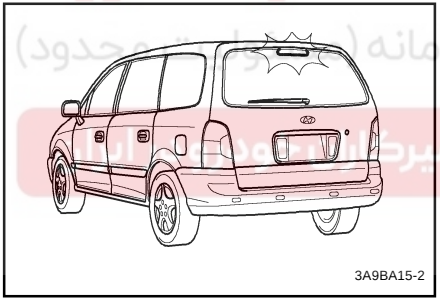
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- **To prevent damage or loss of cargo as you are driving, check now and then to make sure the luggage carrier and cargo are still securely fastened.**
- **Always drive your vehicle at a moderate speed.**
- **To use the roof rails as a roof rack, you must fit the roof rails with two or more crossrails or equivalent.**

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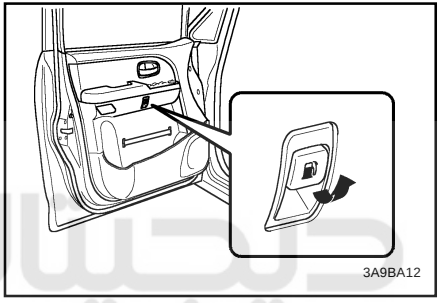
HIGH-MOUNTED REAR STOP LIGHT (If Installed)



In addition to the lower-mounted rear stoplights on either side of the car, the high mounted rear stoplight in the center of the rear window or installed in the rear spoiler also comes on when the brakes are applied.

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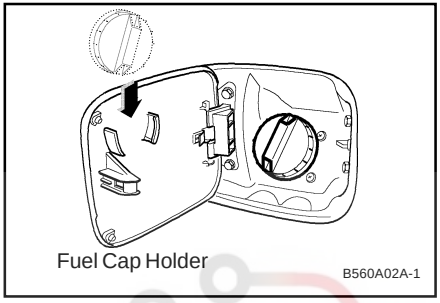
REMOTE FUEL-FILLER LID RELEASE



The fuel-filler lid may be opened from inside the vehicle by pulling up on the fuel-filler lid opener located under the driver's armrest.

NOTE:

If the fuel-filler lid will not open because ice has formed around it, tap lightly or push on the lid to break the ice and release the lid. Do not pry on the lid. If necessary, spray around the lid with an approved de-icer fluid (do not use radiator anti-freeze), or move the vehicle to a warm place and allow the ice to melt.



WARNING:

Fuel vapors are dangerous. Before refueling, always stop the engine and never allow sparks or open flames near the filler area. If you need to replace the filler cap, use a genuine Hyundai replacement part.

If you open the fuel filler cap during high ambient temperatures, a slight "pressure sound" may be heard. This is normal and not a cause for concern.

Whenever you open the fuel filler cap, turn it slowly.

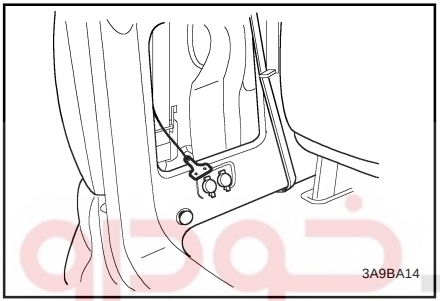
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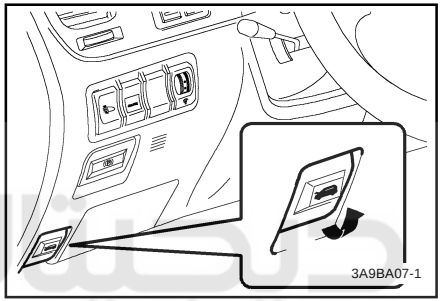
Manual Fuel Filler Lid Release



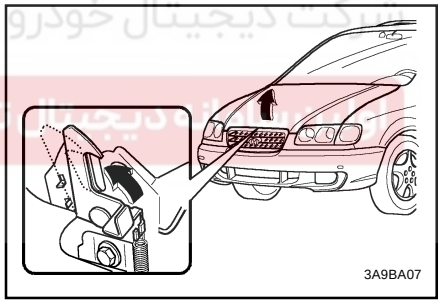
If the fuel filler lid cannot be opened with the remote opener, a manual opener handle can be used. It is located in the left side of quarter panel. Open the fuel filler lid by pulling the handle as shown in the illustration.

B570A01A-GAT

HOOD RELEASE



1. Pull the release knob to unlatch the hood.



2. Press the secondary latch lever up and lift the hood.
3. Hold the hood open with the support rod.

Before closing the hood, return the support rod to its clip to prevent it from rattling. Lower the hood until it is about 30 cm (1 ft.) above the closed position and let it drop. Make sure that it locks into place.

WARNING:

Make sure that the support rod has been released prior to closing the hood. Always double check to be sure that the hood is firmly latched before driving away. If it is not latched, the hood could fly open while the vehicle is being driven, causing a total loss of visibility, which might result in an accident. The support rod must be inserted completely into the hole provided in the hood whenever you inspect the engine compartment. This will prevent the hood from falling and possibly injuring you. Do not move the vehicle with the hood in the raised position, as vision is obstructed and the hood could fall or be damaged.

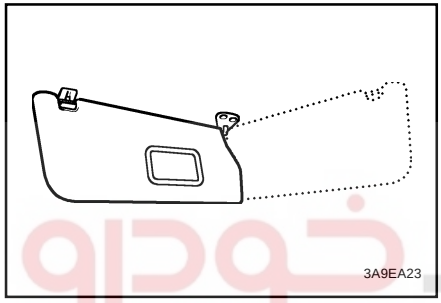
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SUN VISOR



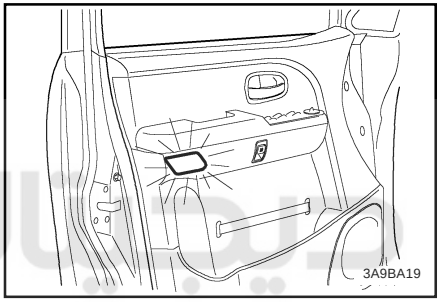
Your Hyundai is equipped with sun visors to give the driver and front passenger either frontal or sideward shade. To reduce glare or to shut out direct rays of the sun, turn the sun visor down. A vanity mirror is provided on the back of the sun visor for the front passenger.

NOTE:
The Supplemental Restraint System (SRS) label containing useful information can be found on the back of each sun visor.

WARNING:
Do not place the sun visor in such a manner that it obscures visibility of the roadway, traffic or other objects.

B620A01S-AAT

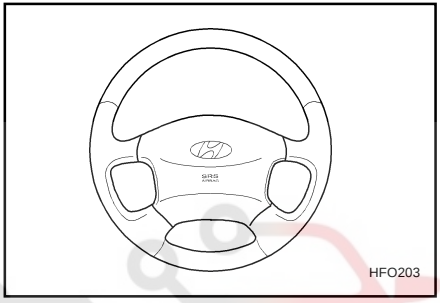
DOOR EDGE WARNING LIGHT (If installed)



A red light comes on when the front door is opened. The purpose of this light is to assist when you get in or out and also to warn passing vehicles.

B610A01L-GAT

HORN



Press the pad on the steering wheel to sound the horn.

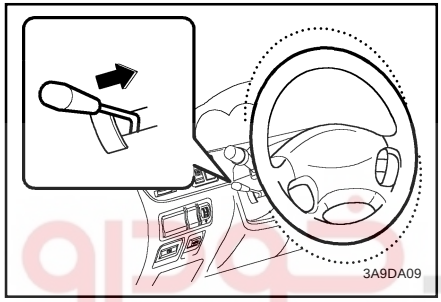
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STEERING WHEEL TILT LEVER



To adjust the steering wheel:

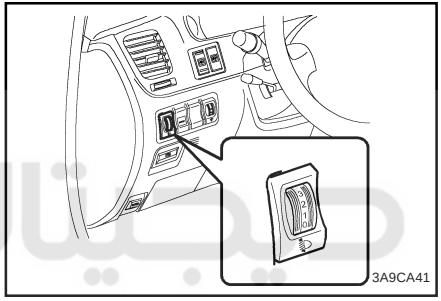
1. Pull the lever upward and hold it to unlock.
2. Raise or lower the steering wheel to the desired position.
3. After adjustment, release the lever.

WARNING:

Do not attempt to adjust the steering wheel while driving as this may result in loss of control of the vehicle and serious injury or death.

B340G01B-GAT

HEADLIGHT LEVELING DEVICE SYSTEM (If installed)



To adjust the headlight beam level according to the number of the passengers and the loading weight in the luggage area, turn the beam leveling switch.

The higher the number of the switch position, the lower the headlight beam level. Always keep the headlight beam at the proper leveling position, or headlights may dazzle other road users.

Listed below are the examples of proper switch settings. For loading conditions other than those listed below, adjust the switch position so that the beam level may be the nearest as the condition obtained according to the list.

Switch position	Load			
	1st row seats	2nd row seats	3rd row seats	Luggage
0	Driver only	-	-	-
	Driver + front passenger	-	-	-
1	Full passengers (induding driver)			-
	Driver + front passenger	-	2 passen-gers	-
2	Full passengers (induding driver)			permissible load
3	Driver + front passenger	-	* Permissible load	

* : With 3rd row seats removed.

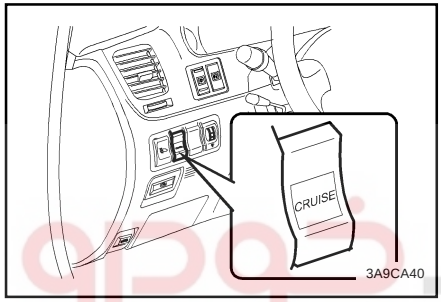
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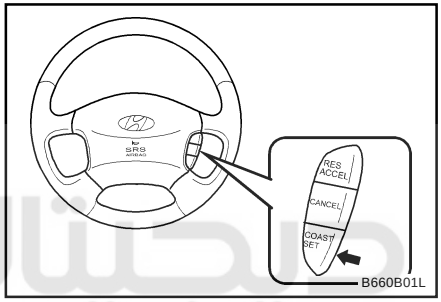
CRUISE CONTROL (If installed)



The cruise control system provides automatic speed control for your comfort when driving on freeways, tollroads, or other noncongested highways. This system is designed to function above approximately 25 mph (40 km/h).

B660B02L-GAT

To Set the Cruise Speed



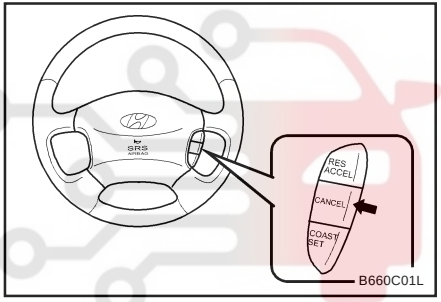
1. Push in the cruise control main switch. This turns the system on.
2. Accelerate to desired cruising speed above 40 km/h (25 mph).
3. Push the control switch "SET" (COAST) position. The "CRUISE" indicator light in the instrument cluster will illuminate after you have set the vehicle speed at the desired speed.
4. Remove your foot from the accelerator pedal and the desired speed will automatically be maintained.
5. To increase speed, depress the accelerator pedal enough for the vehicle to exceed the preset speed. When you remove your foot from the accelerator pedal, the vehicle will return to the speed you have set.

NOTE:

If the vehicle speed decreases more than 15 km/h (9 mph) below the set speed or decreases below 40 km/h (25 mph), the cruise control system will automatically cancel the set speed.

B660C01L-GAT

To cancel the cruise speed



Do one of the followings:

- Push the control switch "CANCEL".
- Depress the brake pedal.
- Depress clutch pedal (Manual transaxle).
- Shift the selector lever in "N" position (Automatic transaxle).
- Decrease the vehicle speed lower than memorized speed by 15 km/h (9 mph).
- Decrease the vehicle speed approximately to less than 40 km/h (25 mph).
- Release the main switch.

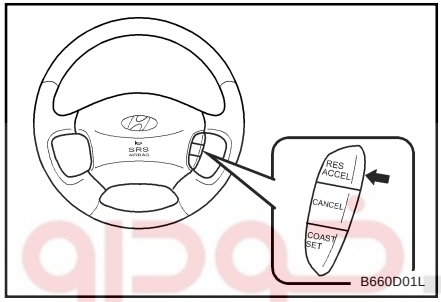
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To Resume the Preset Speed



The vehicle will automatically resume the speed set prior to cancellation when you push the control switch "RESUME (ACCEL)" and release it to return (above 40 km/h).

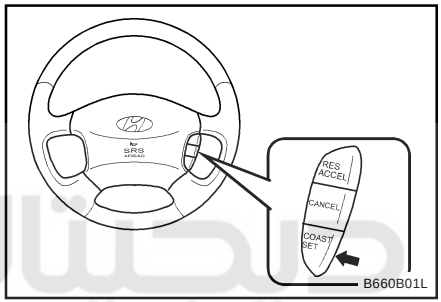
B660E01L-AAT

To Reset at a Faster Speed

1. Push the control switch "RESUME (ACCEL)" and hold it.
2. Accelerate to desired speed and release the control switch. While the control switch is held, the vehicle will gradually gain speed.

B660F01L-GAT

To Reset at a Slower Speed



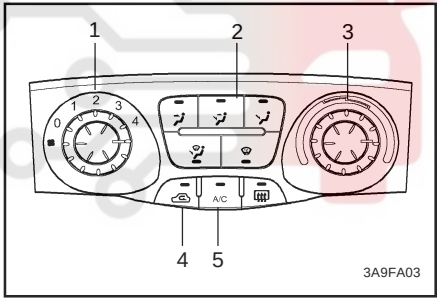
1. Push the control button "SET (COAST)" and hold it. While the control switch is pushed, the vehicle speed will gradually decrease.
2. When the desired speed is obtained, release the control button.

WARNING:

- **Keep the main switch off when not using the cruise control.**
- **Do not use the cruise control when it may not be safe to keep the car at a constant speed, for instance, driving in heavy or varying traffic, or on slippery (rainy, icy or snow-covered) or winding roads or over 6% up-hill or down-hill roads.**
- **Pay particular attention to the driving conditions whenever using the cruise control system.**
- **During cruise-control driving with a manual transaxle vehicle, do not shift into neutral without depressing the clutch pedal or the engine will be overrevved. If this happens, depress the clutch pedal or release the main switch.**
- **During normal cruise control operation, when the "SET" button is activated or reactivated after applying the brakes, the cruise control will energize after approximately 3 seconds. This delay is normal.**

B670A01B-GAT

HEATING AND VENTILATION



This model has two controls and three switches for the heating and cooling system. They are:

1. Fan speed control
2. Air flow control switch
3. Temperature control
4. Air intake control switch
5. Air conditioning switch

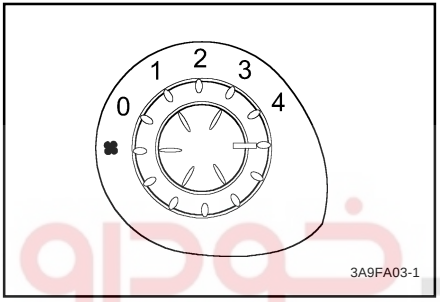
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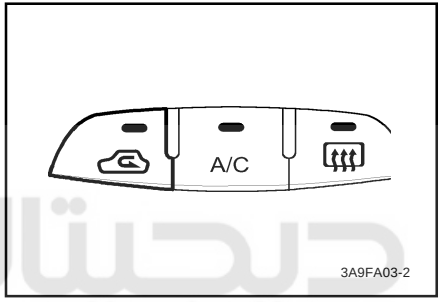
Fan Speed Control (Blower Control)



This is used to turn the blower fan on/off and to select the fan speed.
The blower fan speed, and therefore the volume of air delivered from the system, may be controlled manually by setting the blower control between the "1" and "4" position.

SB720B3-F

Air Intake Control



This is used to select fresh outside air or recirculating inside air.
To change air intake control mode, (Fresh mode, Recirculation mode) push the control button.

FRESH MODE ( ) : The indicator light ( ) on the button goes off when the air intake control switch is fresh mode.
RECIRCULATION MODE ( ) : The indicator light ( ) on the button is illuminated when the air intake control switch is recirculation mode.

With the "fresh" mode selected, air enters the vehicle from outside and is heated or cooled according to the other functions selected.
With the "Recirculation" mode selected, air from within the passenger compartment is drawn through the heating system and heated or cooled according to the other functions selected.

NOTE:

- **It should be noted that prolonged operation of the heating system in "Recirculation" mode will give rise to misting of the windshield and side windows and the air within the passenger compartment becoming stale. In addition prolonged use of the air conditioning with the "Recirculation" mode selected may result in the air within the passenger compartment becoming excessively dry.**
- **When the ignition switch is turned "ON" the air intake control switch will change to "Fresh" mode (regardless of switch position). It is normal operation.**

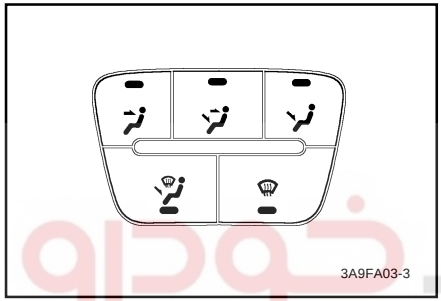
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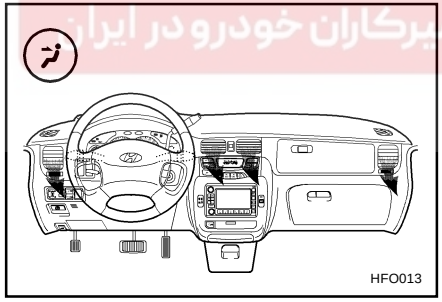
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B670D03B-GAT

Air Flow Control Switch

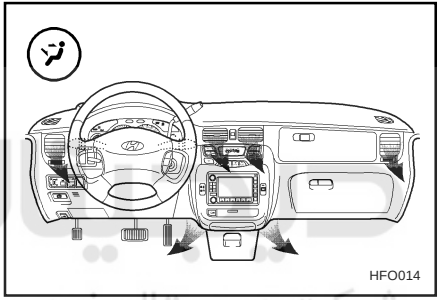


This is used to direct the flow of air. Air can be directed to the floor, dashboard outlets, or windshield. Five symbols are used to represent Face, Bi-Level, Floor, Floor-Defrost and Defrost air position.



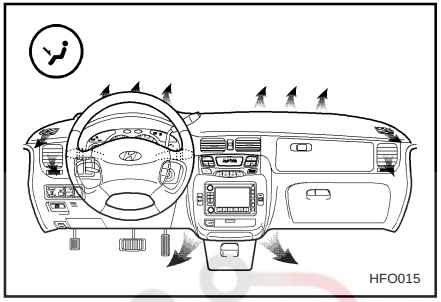
Face-Level

Selecting the "Face" mode will cause air to be discharged through the face level vents.



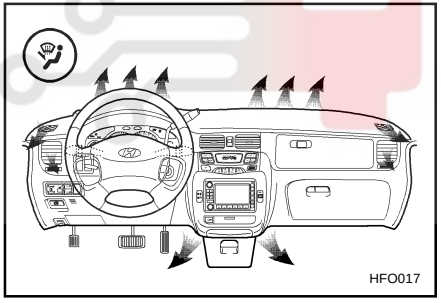
Bi-Level

Air is discharged through the face vents and the floor vents. This makes it possible to have cooler air from the dashboard vents and warmer air from the floor outlets at the same time.



Floor-Level

Air is discharged through the floor vents, windshield defroster nozzle, side defroster nozzle and side ventilator.



Floor-Defrost Level

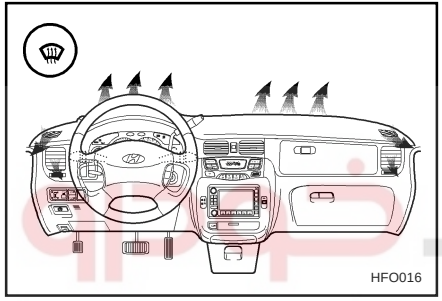
Air is discharged through the windshield defroster nozzle, the floor vents, side defroster nozzle and side ventilator.

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If the "Flool - Defrost" mode is selected, (The A/C will turn on automatically, if installed) the "Fresh" mode will be activated.

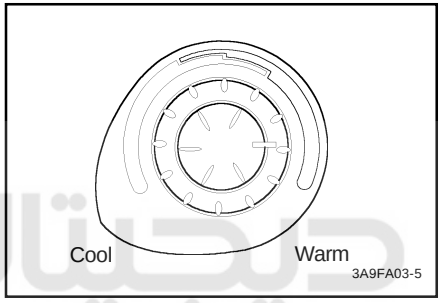


Defrost-Level

Air is discharged through the windshield defroster nozzle, side defroster nozzle and side ventilator.
If the "Defrost" mode is selected, (The A/C will turn on automatically, if installed) the "Fresh" mode will be activated.

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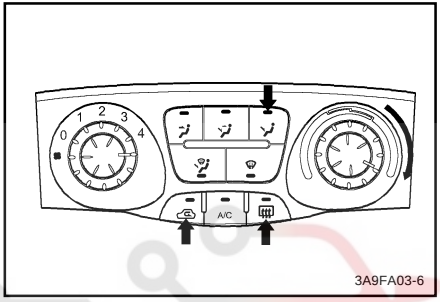
Temperature Control



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

SB720E2-F

HEATING CONTROLS



For normal heating operation, move the air intake control switch to the "Fresh" position and the air flow control switch to "Floor".

For faster heating, the air intake control switch should be in the "Recirculation" position.

If the windows fog up, move the air flow control switch to the "Def" (defroster) position. (The A/C will turn on automatically, if installed) And the "Fresh" mode will be activated.

For maximum heat, move the temperature control to "Warm".

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SB720E1-F

Bi-Level Heating

Your Hyundai is equipped with bi-level heating controls. This makes it possible to have cooler air from the dashboard vents and warmer air from the floor outlets at the same time. To use this feature:

- Set the air intake control switch to "Fresh" mode ( ).
- Set the air flow control switch at the "Bi-Level" position.
- Adjust the fan speed control to the desired speed.
- Set the temperature control between "Cool" and "Warm".

SB720G1-F

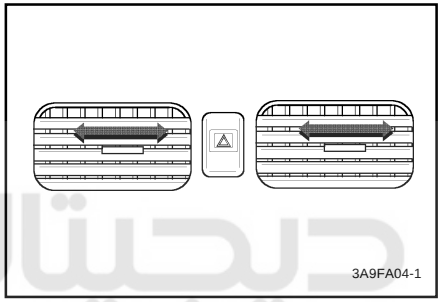
Ventilation

To operate the ventilation system:

- Set the air intake control switch to "Fresh" mode ( ).
- To direct all intake air to the dashboard vents, set the airflow control switch to "Face".
- Adjust the fan speed control to the desired speed.
- Set the temperature control between "Cool" and "Warm".

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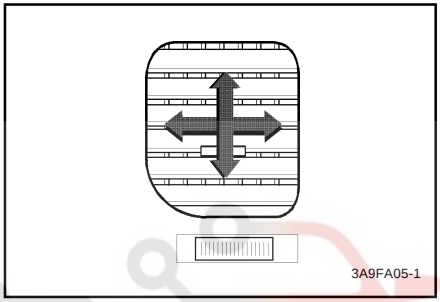
Center Ventilator



The center ventilators are located in the middle of the dashboard.
To change the direction of the airflow, turn the control knob on the middle of the ventilator as desired.

B710C01Y-AAT

Side Ventilator



The side ventilators are located on each side of the dash board. The side vent knobs control the amount of outside air entering the vehicle through the side vents. These vents can also be closed, so no air enters through the side vents. To change the direction of the air flow, turn the control knobs as desired.

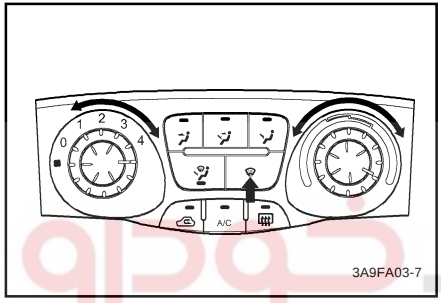
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DEFROSTING/DEFOGGING



Use the heating/ventilation system to defrost or defog the windshield:

To remove interior fog on the windshield:

- Set the air flow control switch to the defrost position. (The A/C will turn on automatically, if installed) And the "Fresh" mode will be activated.
- Set the temperature control at the desired position.
- Set the fan speed control between "1" and "4" position.

To remove frost or exterior fog on the windshield:

- Set the air flow control switch to the defrost position. (The A/C will turn on automatically, if installed) And the "Fresh" mode will be activated.
- Set the temperature control to the warm.
- Set the fan speed control to position "3" or "4".

NOTE:

When the A/C is operated continuously on the floor-defrost level or defrost level, it may cause fog to on the exterior windshield by the temperature differencial. At this time set the air flow control switch to the face level position and fan speed control to the low position.

B730A01L-GAT

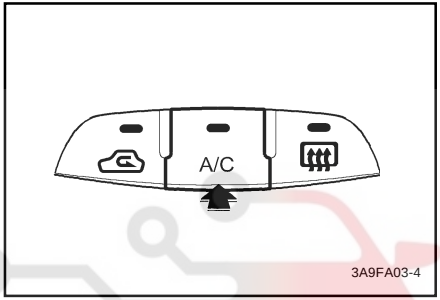
Operation Tips

- To keep dust or unpleasant fumes from entering the car through the ventilation system, temporarily set the air intake control switch at "Recirculation". Be sure to return the control switch to "Fresh" when the irritation has passed to keep fresh air in the vehicle. This will help keep the driver alert and comfortable.
- Air for the heating/cooling system is drawn in through the grilles just ahead of the windshield. Care should be taken that these are not blocked by leaves, snow, ice or other obstructions.
- To prevent interior fog on the windshield, set the air intake control switch to the fresh air position, fan speed control to the desired position, turn on the air conditioning system, and adjust temperature control to desired temperature.

B740A01S-AAT

AIR CONDITIONING SWITCH

Air Conditioning Switch (If installed)



The air conditioning is turned on or off by pushing the A/C button on the heating/air conditioning control panel.

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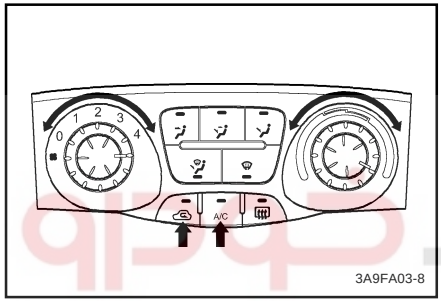
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SB730B1-F

Air Conditioning Operation

Cooling

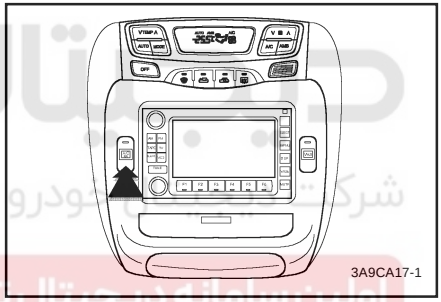


To use the air conditioning to cool interior:

- Set the side vent control to "OFF", to shut off outside air entry.
- Turn on the fan speed control.
- Turn on the air conditioning switch by pushing in on the switch. The air conditioning indicator light should come on at the same time.
- Set the air intake control switch to "Fresh" mode ( ).
- Set the temperature control to "Cool". ("Cool" provides maximum cooling. The temperature may be moderated by moving the control toward "Warm".)
- Adjust the fan speed control to the desired speed. For greater cooling, turn the fan speed control to one of the higher speeds or temporarily select the "Recirculation" position on the air intake control switch.

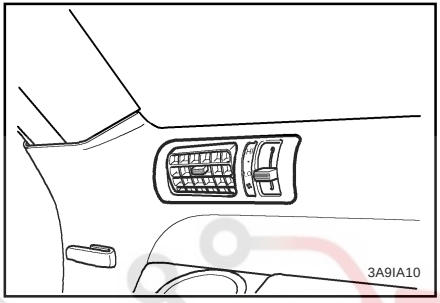
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REAR AIR CONDITIONING (If installed)



The rear air conditioner can be operated with the ignition switch at the "ON" position.

Control Lever



The blower can be operated (when the ignition key and main switch for rear air conditioning is in the"ON" position) at two speeds to regulate the amount of air.

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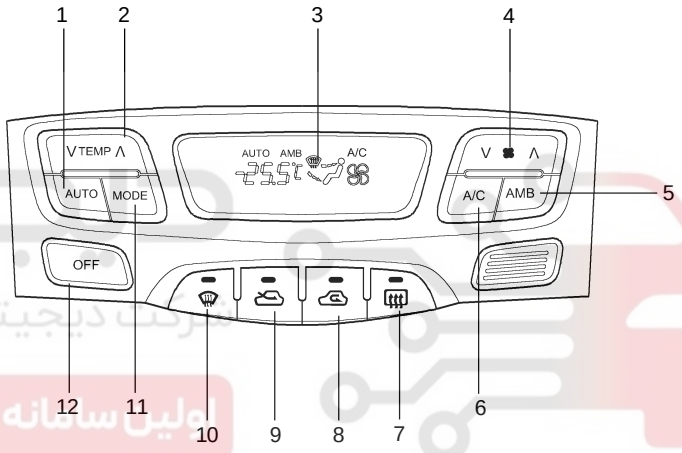
B970A01Y-AAT

AUTOMATIC HEATING AND COOLING CONTROL SYSTEM (If installed)

Your Hyundai is equipped with an automatic heating and cooling control system controlled by simply setting the desired temperature.

B970B01B-GAT

Heating and Cooling Controls



3A9FA02

1. AUTO (Automatic Control) Switch
2. Temperature Control Button
3. Display Window
4. Blower Fan Speed Control Switch
5. Ambient Temperature Switch
6. Air Conditioning Switch
7. Rear Window Defroster Switch
8. Air Intake Control Switch(Recirculation air)/ Air Quality System Switch (If installed)
9. Air Intake Control Switch (Fresh air)
10. Defroster Switch
11. Air Flow Control Switch
12. OFF Switch

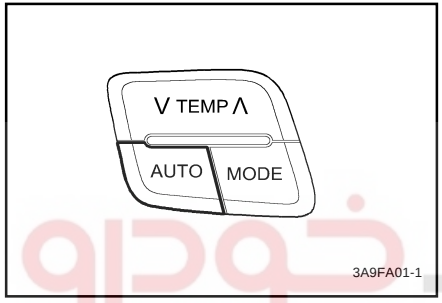
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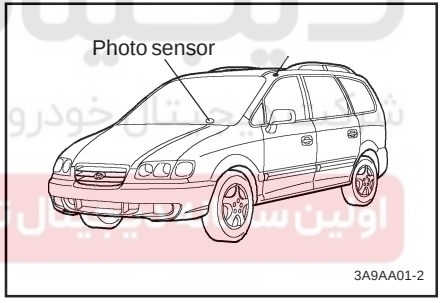
Automatic Operation



The FATC (Full Automatic Temperature Control) system automatically controls the heating and cooling as follows:

1. Push the "AUTO" switch. The indicator light will come on confirming that the Face, Floor and/or Bi-Level modes as well as the blower speed and, air conditioner will be controlled automatically.
2. Push the "TEMP" button to set the desired temperature.
   The temperature will increase to the maximum 32°C(90°F) by pushing on the ∧ button. Each push of the button will cause the temperature to increase by 0.5°C(1°F).
   The temperature will decrease to the minimum 17°C(62°F) by pushing on the ∨ button. Each push of the button will cause the temperature to decrease by 0.5°C(1°F).

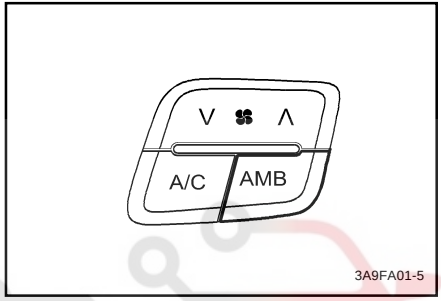
NOTE:
If the battery has been discharged or disconnected, the temperature mode will reset as centigrade degree.
This is a normal condition and you can adjust the temperature mode from centigrade to fahrenheit as follows;
Press the TEMP down (∨) button 3 seconds or more with the AMB button held down.
The display shows that the unit of temperature is adjusted to centigrade or fahrenheit. (°C → °F or °F → °C).



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

B995A01Y-GAT

AMBIENT TEMPERATURE SWITCH



Pressing the AMB button displays the ambient temperature on the display window.

B980A01Y-AAT

MANUAL OPERATION

The heating and cooling system can be controlled manually as well by pushing buttons other than the "AUTO" button. In this state, the system sequentially works according to the order of buttons selected.
The function of the buttons which are not selected will be controlled automatically.
Press the "AUTO" button in order to convert to automatic control of the system.

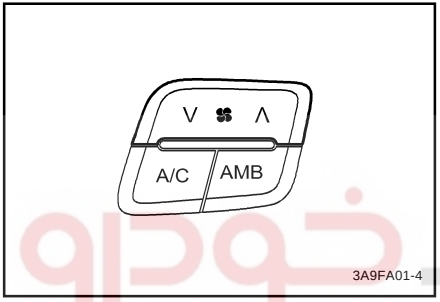
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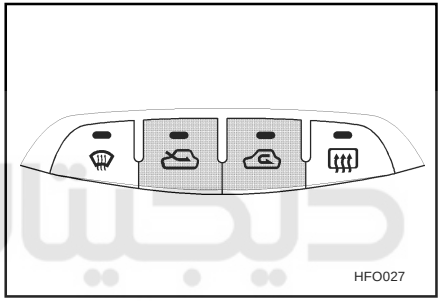
Fan Speed Control Switch



The fan speed can be set to the desired speed by pressing the appropriate fan speed control button. The higher the fan speed is, the more air is delivered. Pressing the "OFF" button turns off the fan.

B670C01B-AAT

Air Intake Control Switch (Without A.Q.S)



This is used to select fresh outside air or recirculate inside air.
To change the air intake control mode, (Fresh mode, Recirculation mode) push the control button.

FRESH MODE ( ) : The indicator light on the button is illuminated when the air intake control is fresh mode.

RECIRCULATION MODE ( ) : The indicator ligh on the button is illuminated when the air intake control is recirculation mode.

With the "Fresh" mode selected, air enters the vehicle from the outside and is heated or cooled according to the function selected.

With the "Recirculation" mode selected, and air from within the passenger compartment will be drawn through the heating system and heated or cooled according to the function selected.

NOTE:

- **It should be noted that prolonged operation of the heating in "recirculation" mode will give rise to fogging of the windshield and side windows and the air within the passenger compartment will become stale. In addition, prolonged use of the air conditioning with the "Recirculation" mode selected may result in the air within the passenger compartment becoming excessively dry.**
- **When the ignition switch is turned "ON" the air intake control will change to "FRESH" mode (regardless of switch position). This is normal operation. The air intake control operates in "AUTO" mode when turning the ignition to the ON position if the "AUTO" mode was used before shutting off the engine.**

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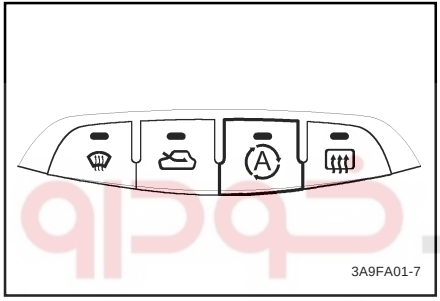
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B980E02B-GAT

Air Quality System (With A.Q.S) (If installed)



This is used to select fresh outside air or recirculate inside air automatically.

NOTE:

- **It should be noted that prolonged operation of the heating system in "" mode will give rise to misting of the windshield and side windows and the air within the passenger compartment will become stale. In addition, prolonged use of the air conditioning with the "" mode selected may result in the air within the passenger compartment becoming excessively dry.**
- **When the ignition switch is turned "ON" the air intake control will change to "" mode (regardless of switch position). It is normal operation. The air intake control is operated in "AUTO" mode when turning the ignition to the ON position if the "AUTO" mode was used before shutting off the engine.**

CAUTION:

If the windows fog up with the Recirculation or A.Q.S mode selected, set the air intake control to the Fresh air position or A.Q.S control to "OFF".

B980D01Y-AAT

Heating and Cooling System Off

Press the "OFF" button to stop the operation of the heating and cooling system.

B980E01O-GAT

Air Flow Control

This is used to direct the flow of air. Air can be directed to the floor, dashboard outlets, or windshield. Four symbols are used to represent Face, Bi-Level, Floor and Floor-Defrost air position.

Face-Level

When selecting the "Face-Level" the indicator light will come on, causing air to be discharged through the face level vents.

Bi-Level

When selecting the "Bi-Level" the indicator light will come on and the air will be discharged through the face vents and the floor vents. This makes it possible to have cooler air from the dashboard vents and warmer air from the floor outlets at the same time.

Floor-Level

When selecting the "Floor-Level" the indicator light will come on and the air will be discharged through the floor vents, windshield defroster nozzle, side defroster nozzle and side ventilator.

Floor-Defrost Level

When selecting the "Floor-Defrost Level" the indicator light will come on and the air will be discharged through the windshield defroster nozzle, the floor vents, side defroster nozzle and side ventilator.

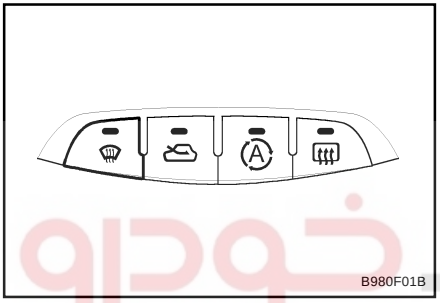
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Defrost-Level



When the "Defrost" button is pressed, the "Fresh" mode will be automatically selected and the air will be discharged through the windshield defroster nozzle, side defroster nozzle and side ventilator. The air conditioning will only operate if ambient temperature is higher than 3.5°C (38.3°F) and automatically turns off if the ambient temperature drops below 3.5°C (38.3°F).

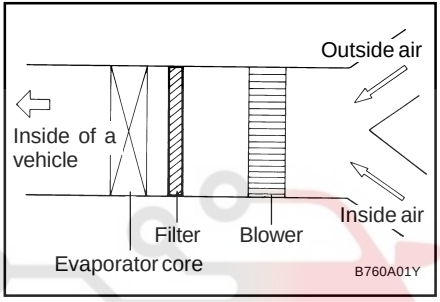
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Operation Tips

- o If the interior of the car is hot when you first get in, open the windows for a few minutes to expel the hot air.
- o When you are using the air conditioning system, keep all windows closed to keep hot air out.
- o When moving slowly, as in heavy traffic, shift to a lower gear. This increases engine speed, which in turn increases the speed of the air conditioning compressor.
- o On steep grades, turn the air conditioning off to avoid the possibility of the engine overheating.
- o During winter months or in periods when the air conditioning is not used regularly, run the air conditioning once every month for a few minutes. This will help circulate the lubricants and keep your system in peak operating condition.

B760A01A-GAT

AIR FILTER (For Evaporator and Blower Unit) (If installed)



The air filter is located in front of the evaporator unit behind the glove box.
It operates to decrease pollutants from entering the car and to filter the air.
To replace the air filter, refer to the page 6-16.

CAUTION:

- o **Replace the filter every 20,000 km (12,000 miles) or once a year.**
  If the car is being driven in severe conditions such as dusty, rough roads, more frequent air filter inspections and changes are required.
- o **When the air flow rate is decreased, it must be checked at authorized dealer.**

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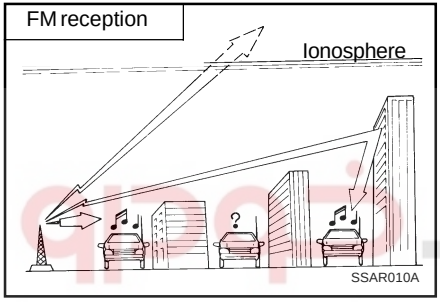
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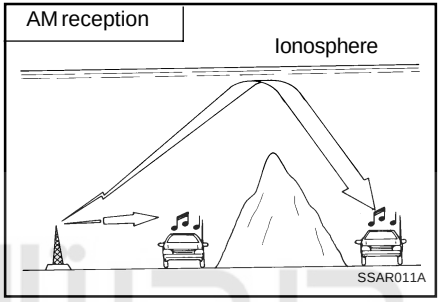
STEREO SOUND SYSTEM

How Car Audio Works

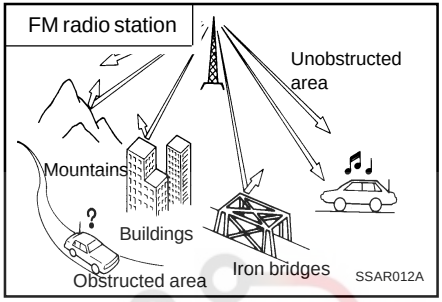


AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your car. This signal is then received by the radio and sent to your car speakers.

When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear. This can be due to factors such as the distance from the radio station, closeness of other strong radio stations or the presence of buildings, bridges or other large obstructions in the area.



AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long, low frequency radio waves can follow the curvature of the earth rather than travelling straight out into the ionosphere. In addition, they curve around obstructions so that they can provide better signal coverage.

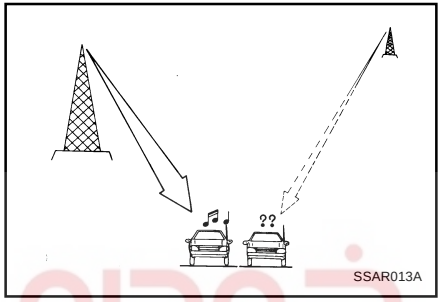


FM broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade at short distances from the station. Also, FM signals are easily affected by buildings, mountains, or other obstructions. These can result in certain listening conditions which might lead you to believe a problem exists with your radio. The following conditions are normal and do not indicate radio trouble:

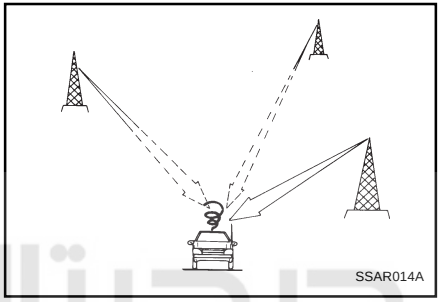
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o Fading - As your car moves away from the radio station, the signal will weaken and sound will begin to fade. When this occurs, we suggest that you select another stronger station.
o Flutter/Static - Weak FM signals or large obstructions between the transmitter and your radio can disturb the signal causing static or fluttering noises to occur. Reducing the treble level may lessen this effect until the disturbance clears.



o Station Swapping - As an FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the clearest signal. If this occurs, select another station with a stronger signal.
o Multi-Path Cancellation - Radio signals being received from several directions can cause distortion or fluttering. This can be caused by a direct and a reflected signal from the same station, or by signals from two stations with close frequencies. If this occurs, select another station until the condition has passed.

B750B02Y-AAT

Using a cellular phone or a two-way radio

When a cellular phone is used inside the vehicle, noise may be produced from the audio equipment. This does not mean that something is wrong with the audio equipment. In such a case, use the cellular phone at a place as far as possible from the audio equipment.

CAUTION:

When using a communication system such as a cellular phone or a radio inside the vehicle, a separate external antenna must be fitted. When a cellular phone or a radio set is used by using an internal antenna alone, it may interfere with the vehicle's electrical system and adversely affect safe operation of the vehicle.

WARNING:

Don't use a cellular phone when you are driving. Stop at a safe place to use a cellular phone.

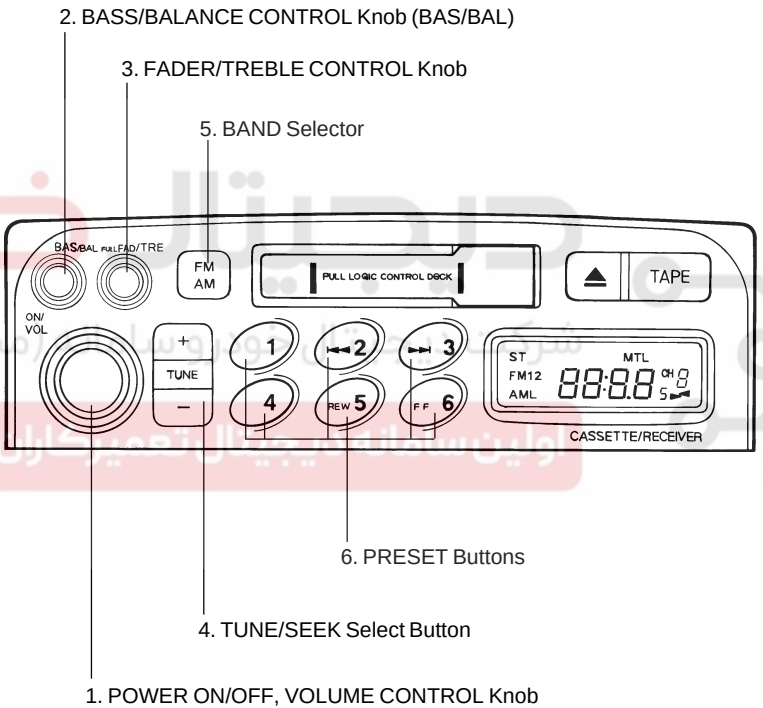
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B910A01Y-AAT

STEREO RADIO OPERATION (H910C) (If installed)



B900A01Y

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B910B02Y-AAT

1. POWER ON-OFF/VOLUME CONTROL Knob

The radio unit may be operated when the ignition key is in the "ACC" or "ON" position. Press and rotate the knob clockwise to switch the radio unit on, and to increase the volume. Turn the knob counterclockwise to reduce the volume, and to switch the radio unit off.

2. BAS (Bass Control)/ BAL (Balance Control) Knob

Press to pop the knob out and turn to the left or right for the desired bass tone.

BAL (Balance Control)

Knob Further pull-lock popped-up knob. Turn the control knob clockwise to emphasize right speaker sound (left speaker will be attenuated). When the control knob is turned counterclockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

3. TRE (Treble Control) Knob

Press to pop the knob out and turn to the left or right for the desired treble tone.

FAD (Fader Control) Knob

Further pull-lock position of popped-up knob turn the control knob counterclockwise to emphasize front speaker sound (rear speaker sound will be attenuated).
When the control knob is turned clockwise, rear speaker sound will be emphasized (front speaker sound will be attenuated).

4. TUNE (Manual) Select Button

Press the (+) side or (-) side to increase or to decrease the frequency. With the button held down for 0.5 sec. or more, the stop signal (broadcasting radio wave) is ignored and channel selection continues.

SEEK Operation (Auto tuning)

Push the "TUNE" for over 1 second. When the (+) side is pressed, the unit will automatically tune to the next higher frequency and when the (-) side is pressed, it will automatically tune to the next lower frequency.

5. BAND Selector

Pressing the FM AM button changes the AM, FM1 and FM2 bands. The mode selected is displayed on LCD.

6. PRESET STATION SELECT Button

Six (6) station for AM, FM and FM2 respectively can be preset in the electronic memory circuit on this unit.

HOW TO PRESET STATIONS

Six AM and twelve FM stations may be programmed into the memory of the radio. Then, by simply pressing the band select button and/or one of the six station select buttons, you may recall any of these stations instantly. To program the stations, follow these steps:

- Press FM AM button to set the band for AM, FM, or FM2.
- Select the desired station to be stored by seek, scan or manual tuning.
- Determine the preset station select button you wish to use to access that station.
- Press the station select button for more than two seconds. A select button indicator will show in the display indicating which select button you have depressed. The frequency display will flash after it has been stored into the memory. You should then release the button, and proceed to program the next desired station. A total of 18 stations can be programmed by selecting one AM and two FM stations per button.
- When completed, any preset station may be recalled by selecting AM, FM or FM2 band and the appropriate station button.

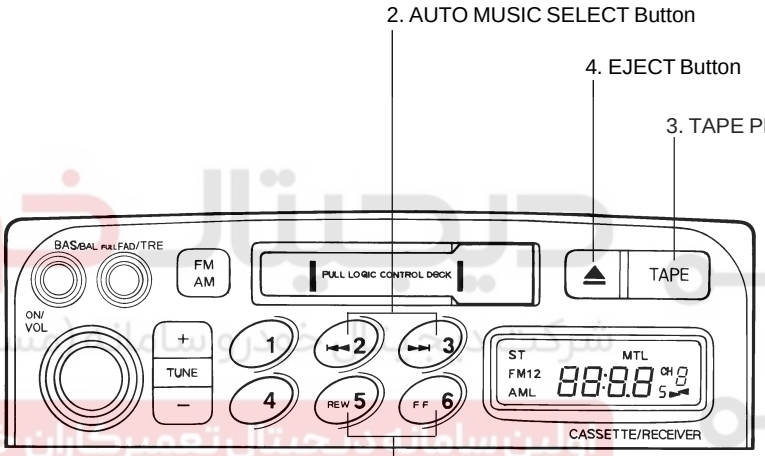
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B910C01Y-AAT

CASSETTE TAPE PLAYER OPERATION (H910C) (If installed)



B900A01Y

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B910D01Y-AAT

1. FF/REW Button

- The FF (Fast forward tape winding) starts when the ⏩6 button is pressed during the PLAY or REW.
- The play starts when the ⏩6 button is pressed again during the FF.
- The REW (Rewinding) starts when the ⏪5 button is pressed during the PLAY or FF.
- The play starts when the ⏪5 button is pressed again during the REW.

2. AUTO MUSIC SELECT Button

Press the button to find the starting point of each song in a prerecorded music tape. The quiet space between songs (must have at least a 4 sec. gap) can be accepted by the AUTO MUSIC SELECT button.

- Pressing the ⏭ side will play the beginning of the next music segment.
- Pressing the ⏮ side will start replay at the beginning of the music just listened to.

3. TAPE PROGRAM Button

This allows you to play the reverse side of the tape by merely depressing the program button. An arrow will appear in the display to show tape direction.

4. EJECT Button

- When the EJECT button is pressed with the cassette loaded, the cassette is ejected.
- When the EJECT button is pressed during the FF/REW, the cassette is ejected.

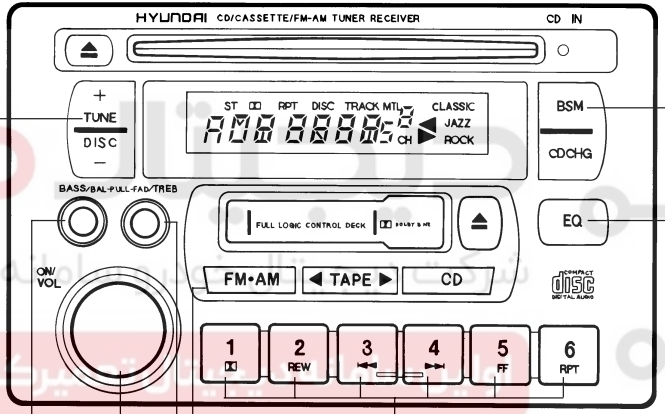
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B940G01L-GAT

STEREO RADIO OPERATION (H940A) (If installed)



4. TUNE/SEEK Select Button
8. BEST STATION MEMORY or SCAN Button (If installed)
7. EQ Button
6. BAND Selector
5. PRESET Buttons
3. TREBLE/FAD Knob
1. POWER ON/OFF/VOLUME CONTROL Knob
2. BASS/BALANCE CONTROL Knob

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B940H02L-GAT

1. POWER ON-OFF/VOLUME CONTROL KNOB

The radio unit may be operated when the ignition key is in the "ACC" or "ON" position. Press the button to switch the power on. The display shows the radio frequency in the radio mode or the tape direction indicator in the tape mode, or CD track either in the CD mode or CD AUTO CHANGER mode. To switch the power off, press the button again.

VOLUME Control

Rotate the knob clockwise to increase the volume and turn the knob counterclockwise to reduce the volume.

2. BASS/BALANCE Control

BASS Control Knob

Press to pop the knob out. To increase the bass, rotate the knob clockwise, while to decrease the bass, rotate the knob counterclockwise.

BALANCE Control Knob

Further pull the popped-up knob. Rotate the knob clockwise to emphasize right speaker sound (left speaker sound will be attenuated). When the control knob is turned counter clockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

3. TREBLE/FAD Knob

TREBLE Control Knob

Press to pop the knob out and turn to the left or right for the desired treble tone.

FAD (Fader Control) Knob

Further pull the popped-up knob. Turn the control knob counterclockwise to emphasize front speaker sound (rear speaker sound will be attenuated). When the control knob is turned clockwise, rear speaker sound will be emphasized (front speaker sound will be attenuated).

4. TUNE (Manual) Select Button

Press the (+) side or (-) side to increase or to decrease the frequency. With the button held down for 0.5 sec. or more, the frequency selection will increase or decrease rapidly.

SEEK Operation (Automatic Channel Selection)

Press the TUNE select button 1 sec. or more. When the (+) side is pressed, the unit will automatically tune to the next higher frequency and when the (-) side is pressed, it will automatically tune to the next lower frequency.

5. PRESET STATION Select Buttons

Six (6) stations for AM, FM and FM2 respectively can be preset in the electronic memory circuit.

HOW TO PRESET STATIONS

Six AM and twelve FM stations may be programmed into the memory of the radio. Then, by simply pressing the band select button and/or one of the six station select buttons, you may recall any of these stations instantly. To program the stations, follow these steps:

- Press band selector to set the band for AM, FM, or FM2.
- Select the desired station to be stored by seek, scan or manual tuning.
- Determine the preset station select button you wish to use to access that station.
- Press the station select button for more than two seconds. A select button indicator will show in the display indicating which select button you have depressed. The frequency display will flash after it has been stored into the memory. You should then release the button, and proceed to program the next desired station. A total of 18 stations can be programmed by selecting one AM and two FM station per button.
- When completed, any preset station may be recalled by selecting AM, FM or FM2 band and the appropriate station button.

6. BAND Selector

Pressing the button changes the AM, FM1 and FM2 bands. The mode selected is shown on the display.

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7. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

8. Best Station Memory Button (BSM) (If installed)

When the BSM button is pressed for two seconds or longer, the six channels from the highest field intensity are selected next and stored in memory. The stations selected are stored in the sequence frequency from the first preset key.

9. SCAN Button (If installed)

When the scan button is pressed, the frequency will increase and the receivable stations will be tuned in one after another, receiving each station for 5 seconds. To stop scanning, press the scan button again.

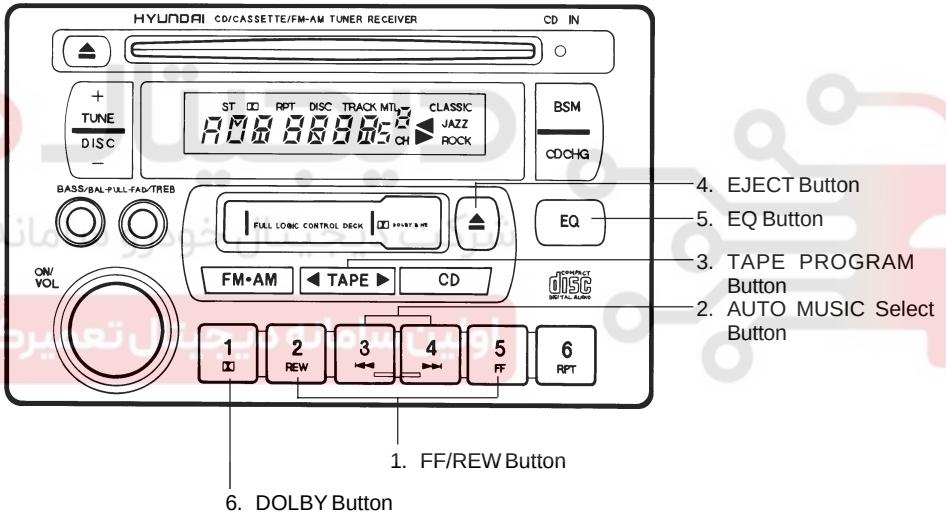
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B940I01L-GAT

CASSETTE TAPE PLAYER OPERATION (H940A) (If installed)



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B940J01L-GAT

1. FF/REW Button

- Fast forward tape winding starts when the FF button is pressed during the PLAY or REW modes.
- Tape play starts when the FF button is pressed again during the FF mode.
- Tape rewinding starts when the REW button is pressed during the PLAY or FF modes.
- Tape play starts when the REW button pressed again during the REW mode.

2. AUTO MUSIC SELECT Button

Press the button to find the starting point of each song in a prerecorded music tape. The quiet space between songs (must have at least a 4 sec. gap) can be identified by the AUTO MUSIC SELECT button.

- Pressing the ⏭ will play the beginning of the next music segment.
- Pressing the ⏮ will start replay at the beginning of the music just listened to.
- To stop FF or REW action, press the button again.

3. TAPE PROGRAM Button

This allows you to play the reverse side of the tape by merely depressing the program button. An arrow will appear in the display to show tape direction.

4. EJECT button

- When the EJECT button is pressed with the cassette loaded, the cassette is ejected.
- When the EJECT button is pressed during the FF/REW mode, the cassette is ejected.

5. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

6. DOLBY Button

If you get background noise during tape PLAY, you can reduce this considerably by merely pressing the DOLBY button. If you want to cancel the DOLBY feature, press the button again.

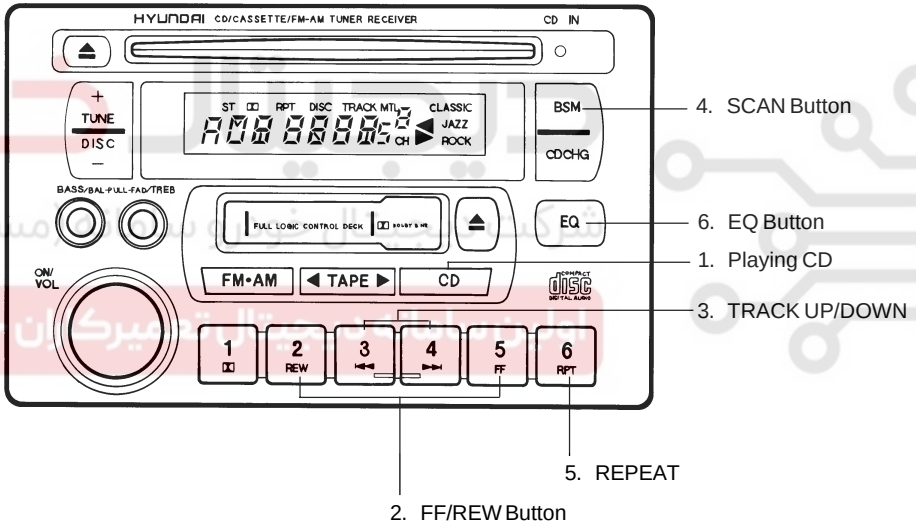
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B940K01L-GAT

COMPACT DISC PLAYER OPERATION (H940A) (If installed)



B940G01L

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1. Playing CD

- o Insert the CD with the label facing upward.
- o Insert the CD to start CD playback, during radio operation or cassette tape playing.
- o When a disc is in the CD deck, if you press the play button the CD player will begin playing even if the radio or cassette player is being used.
- o The CD player can be used when the ignition switch is in either the "ON" or "ACC" position.

2. FF/REW

While the disc is playing, if you hold down the FF button continuously, the selected track is advanced. Holding down the REW button continuously moves the selected track back.

3. TRACK UP/DOWN

- o The desired track on the disc currently being played can be selected using the track number.
- o Press ▸▸ once to skip forward to the beginning of the next track. Press ◂◂ once to skip back to the beginning of the track.

4. SCAN (If installed)

- o Press the SCAN button to playback the first 10 seconds of each track.
- o Press the SCAN button again within 10 sec. for the desired track.

5. REPEAT

- o To repeat the track you are listening to, press the RPT button. To cancel , press again.
- o If you do not release RPT operation after all the tracks are played back, the unit will play back again from the first track.

6. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

NOTE:

- **o To assure proper operation of the unit, keep the vehicle interior temperature within a normal range by using the vehicle's air conditioning or heating system.**
- **o When replacing the fuse, replace it with a fuse having the correct capacity.**
- **o The preset station frequencies are all erased when the car battery is disconnected. Therefore, all data will have to be set again if this should occur.**
- **o Do not add any oil to the rotating parts. Keep magnets, screwdrivers and other metallic objects away from the tape mechanism and head.**
- **o This equipment is designed to be used only in a 12 volt DC battery system with negative ground.**
- **o This unit is made of precision parts. Do not attempt to disassemble or adjust any parts.**
- **o When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from the outside.**
- **o Do not expose this equipment (including the speakers and tape) to water or excessive moisture.**

CAUTION:

Do not insert warped or poor quality discs into the CD player as damage to the unit may occur.

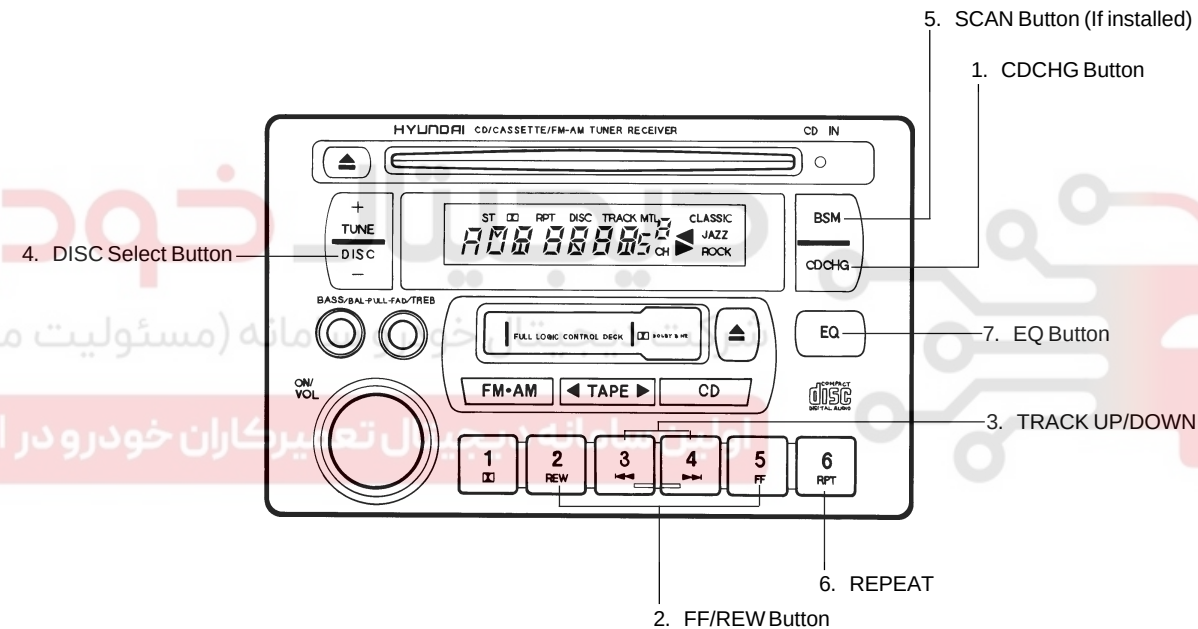
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B940M01L-GAT

CD AUTO CHANGER (H940A) (If installed)



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The CD auto changer connected with audio system is located in the left side of the quarter trim.

o To use the CD auto changer

1. Open the sliding lid of the CD auto changer.
2. To eject the compact disc magazine, press the EJECT button located inside the CD auto changer.
3. Insert the discs into the magazine.
4. Push the magazine into the CD auto changer and close the sliding lid.

o The CD auto changer can be used when the ignition switch is in either the "ON" or "ACC" position.

1. CDCHG Button

When the CD changer magazine contains discs, press the CDCHG button and the CD changer can be used even if the radio or cassette player is being used. The Hyundai CD changer can hold up to eight discs. The disc number will be lit, and the track number, and elapsed time will be displayed.

2. FF/REW

While the disc is playing, if you hold down the FF button continuously, the selected track is advanced. Holding down the REW button continuously moves the selected track back.

3. TRACK UP/DOWN

o The desired track on the disc currently being played can be selected using the track number.

o Press ▶▶| once to skip forward to the beginning of the next track. Press |◀◀ once to skip back to the beginning of the track.

4. DISC Select Button

To select the CD you want, push "DISC +" or "DISC -" to change the disc number

5. SCAN (If installed)

o Press the SCAN button to playback the first 10 seconds of each track.

o Press the SCAN button again within 10 sec. for the desired track.

6. REPEAT

o To repeat the track you are listening to, press the RPT button. To cancel, press again.

o If you do not release RPT operation after all the tracks are played back, the unit will play back again from the first track.

7. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

NOTE:

- **When replacing the fuse, replace it with a fuse having the correct capacity.**
- **This equipment is designed to be used only in a 12 volt DC battery system with negative ground.**
- **This unit is made of precision parts. Do not attempt to disassemble or adjust any parts.**
- **When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from the outside.**

CAUTION:

Do not insert warped or poor quality discs into the CD player as damage to the unit may occur.

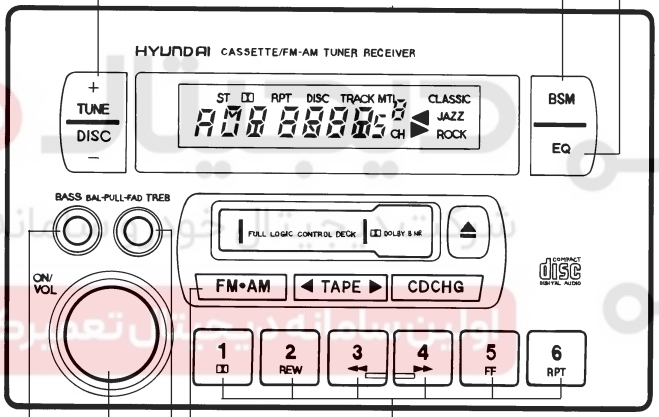
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STEREO RADIO OPERATION (H940B) (If installed)



8. BEST STATIONARY MEMORY or SCAN Button (If installed)
7. EQ Button
4. TUNE/SEEK Select Button
6. BAND Selector
5. PRESET Buttons
3. TREBLE/FAD Knob
1. POWER ON/OFF/VOLUME CONTROL Knob
2. BASS/BALANCE CONTROL Knob

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B940B02L-GAT

1. POWER ON-OFF/VOLUME CONTROL KNOB

The radio unit may be operated when the ignition key is in the "ACC" or "ON" position. Press the button to switch the power on. The display shows the radio frequency in the radio mode, the tape direction indicator in the tape mode, or CD auto changer mode. To switch the power off, press the button again.

VOLUME Control

Rotate the knob clockwise to increase the volume and turn the knob counterclockwise to reduce the volume.

2. BASS/BALANCE Control

BASS Control Knob

Press to pop the knob out. To increase the bass, rotate the knob clockwise, while to decrease the bass, rotate the knob counterclockwise.

BALANCE Control Knob

Further pull the popped-up knob. Rotate the knob clockwise to emphasize right speaker sound (left speaker sound will be attenuated). When the control knob is turned counter clockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

3. TREBLE/FAD Knob

TREBLE Control Knob

Press to pop the knob out and turn to the left or right for the desired treble tone.

FAD (Fader Control) Knob

Further pull the popped-up knob. Turn the control knob counterclockwise to emphasize front speaker sound (rear speaker sound will be attenuated). When the control knob is turned clockwise, rear speaker sound will be emphasized (front speaker sound will be attenuated).

4. TUNE (Manual) Select Button

Press the (+) side or (-) side to increase or to decrease the frequency. With the button held down for 0.5 sec. or more, the frequency selection will increase or decrease rapidly.

SEEK Operation (Automatic Channel Selection)

Press the TUNE select button 1 sec. or more. When the (+) side is pressed, the unit will automatically tune to the next higher frequency and when the (-) side is pressed, it will automatically tune to the next lower frequency.

5. PRESET STATION Select Buttons

Six (6) stations for AM, FM and FM2 respectively can be preset in the electronic memory circuit.

HOW TO PRESET STATIONS

Six AM and twelve FM stations may be programmed into the memory of the radio. Then, by simply pressing the band select button and/or one of the six station select buttons, you may recall any of these stations instantly. To program the stations, follow these steps:

- o Press band selector to set the band for AM, FM, or FM2.
- o Select the desired station to be stored by seek, scan or manual tuning.
- o Determine the preset station select button you wish to use to access that station.
- o Press the station select button for more than two seconds. A select button indicator will show in the display indicating which select button you have depressed. The frequency display will flash after it has been stored into the memory. You should then release the button, and proceed to program the next desired station. A total of 18 stations can be programmed by selecting one AM and two FM station per button.
- o When completed, any preset station may be recalled by selecting AM, FM or FM2 band and the appropriate station button.

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6. BAND Selector

Pressing the button changes the AM, FM1 and FM2 bands. The mode selected is shown on the display.

7. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

8. Best Station Memory Button (BSM) (If installed)

When the BSM button is pressed for two seconds or longer, the six channels from the highest field intensity are selected next and stored in memory. The stations selected are stored in the sequence frequency from the first preset key.

9. SCAN Button (If installed)

When the scan button is pressed, the frequency will increase and the receivable stations will be tuned in one after another, receiving each station for 5 seconds. To stop scanning, press the scan button again.

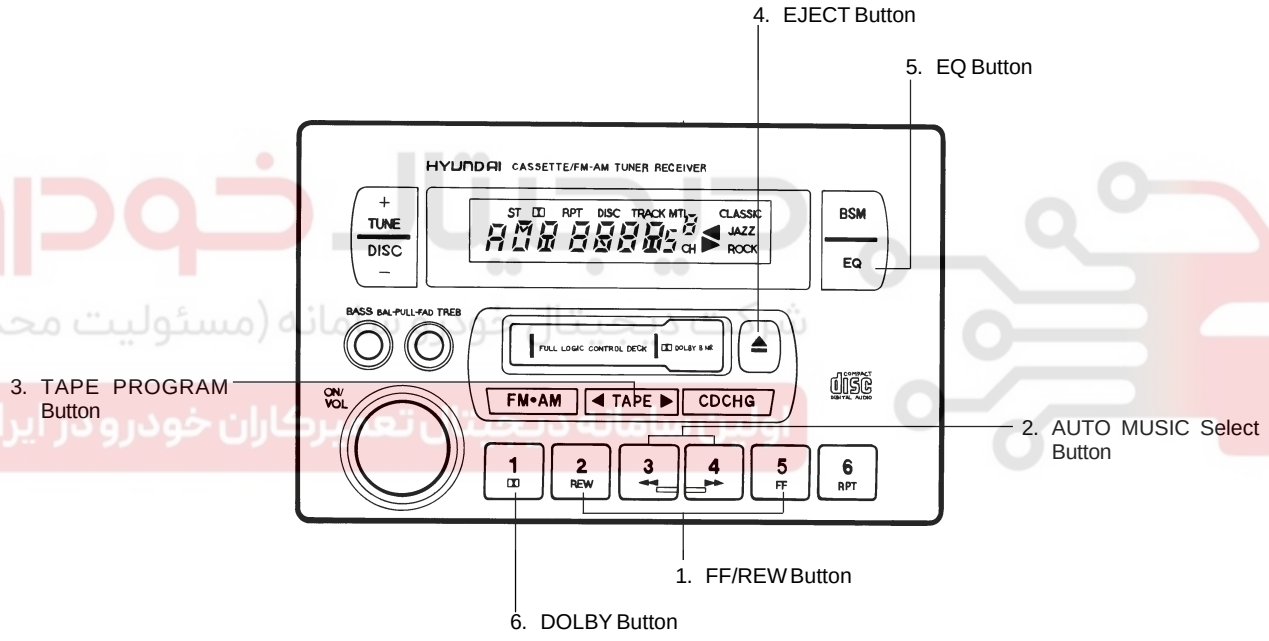
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اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

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B940C01L-GAT

CASSETTE TAPE PLAYER OPERATION (H940B) (If installed)



B940A01L

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B940D01L-GAT

1. FF/REW Button

- Fast forward tape winding starts when the FF button is pressed during the PLAY or REW modes.
- Tape play starts when the FF button is pressed again during the FF mode.
- Tape rewinding starts when the REW button is pressed during the PLAY or FF modes.
- Tape play starts when the REW button pressed again during the REW mode.

2. AUTO MUSIC SELECT Button

Press the button to find the starting point of each song in a prerecorded music tape. The quiet space between songs (must have at least a 4 sec. gap) can be identified by the AUTO MUSIC SELECT button.

- Pressing the ⏭ will play the beginning of the next music segment.
- Pressing the ⏮ will start replay at the beginning of the music just listened to.
- To stop FF or REW action, press the button again.

3. TAPE PROGRAM Button

This allows you to play the reverse side of the tape by merely depressing the program button. An arrow will appear in the display to show tape direction.

4. EJECT button

- When the EJECT button is pressed with the cassette loaded, the cassette is ejected.
- When the EJECT button is pressed during the FF/REW mode, the cassette is ejected.

5. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

6. DOLBY Button

If you get background noise during tape PLAY, you can reduce this considerably by merely pressing the DOLBY button. If you want to cancel the DOLBY feature, press the button again.

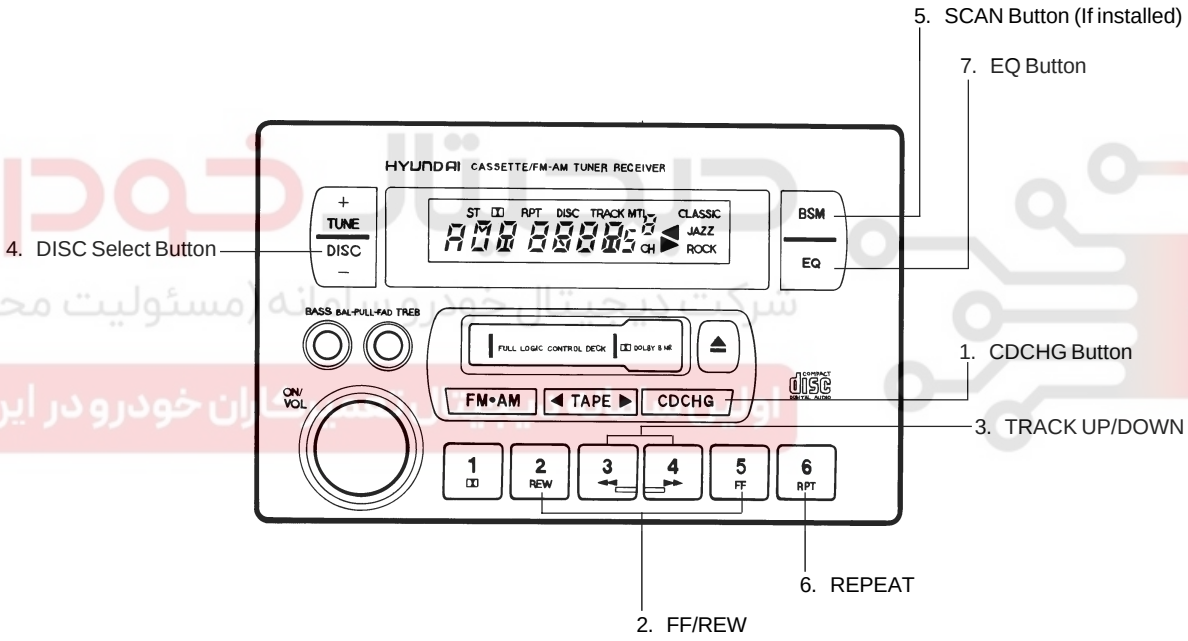
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B940E01L-GAT

CD AUTO CHANGER (H940B) (If installed)



B940A01L

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The CD auto changer connected with audio system is located in the left side of the quarter trim.

o To use the CD auto changer

1. Open the sliding lid of the CD auto changer.
2. To eject the compact disc magazine, press the EJECT button located in the CD auto changer.
3. Insert the discs into the magazine.
4. Push the magazine into the CD auto changer and close the sliding lid.

o The CD auto changer can be used when the ignition switch is in either "ON" or "ACC" position.

1. CDCHG Button

When the CD changer magazine contains discs, press the CDCHG button and the CD changer can be used even if the radio or cassette player is being used. The Hyundai CD changer can hold up to eight discs. The disc number will be lit, and the track number, and elapsed time will be displayed.

2. FF/REW

While the disc is playing, if you hold down the FF button continuously, the selected track is advanced. Holding down the REW button continuously moves the selected track back.

3. TRACK UP/DOWN

o The desired track on the disc currently being played can be selected using the track number.
o Press ⏭ once to skip forward to the beginning of the next track. Press ⏮ once to skip back to the beginning of the track.

4. DISC Select Button

To select the CD you want, push "DISC +" or "DISC-" to change the disc number.

5. SCAN Button (If installed)

o Press the SCAN button to playback the first 10 seconds of each track.
o Press the SCAN button again within 10 sec. for the desired track.

6. REPEAT Button

o To repeat the track you are listening to, press the RPT button. To cancel, press again.
o If you do not release RPT operation after all the tracks are played back, the unit will play back again from the first track.

7. EQ Button

Press the EQ button to select the CLASSIC, JAZZ, ROCK and DEFEAT MODE for the desired tone quality. Each press of the button changes the display as follows;

CLASSIC → JAZZ → ROCK → DEFEAT

NOTE:

o When replacing the fuse, replace it with a fuse having the correct capacity.
o This equipment is designed to be used only in a 12 volt DC battery system with negative ground.
o This unit is made of precision parts. Do not attempt to disassemble or adjust any parts.
o When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from the outside.

CAUTION:

Do not insert warped or poor quality discs into the CD player as damage to the unit may occur.

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AUDIO FAULT CODE

If you see any error indication on the display while using the system in the CD or Tape mode, find the cause in the chart below. If you cannot clear the error indication, take the car to your Hyundai dealer.

INDICATION	CAUSE	SOLUTION
Er2	CD DECK MECHANICAL ERROR (EJECT ERROR, LOADING ERROR)	After resetting the audio system, push the eject button. If disc is not ejected, consult your hyundai dealer.
Er3	FOCUS ERROR DATA READ ERROR	Make sure the disc is not scratched or damaged. Press the eject button and pull out the disc. Then insert a normal cd disc.
Er6	DISC ERROR	Check if the disc is inserted correctly in the cd player. Make sure the disc is not scratched or damaged.
Er8	TAPE DECK ERROR TAPE EJECT ERROR	After resetting the audio system, push the eject button. If tape does not eject, consult your Hyundai dealer.
HHH	TEMPERATURE IS TOO HIGH	Fault code will reset automatically when the temperature returns to normal.
no CD	NO DISC IN MAGAZINE NO CD MAGAZINE IN THE AUTO CHANGER	Insert disc in magazine or insert cd magazine in the auto changer.

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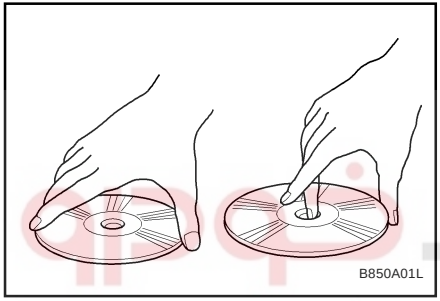
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B850A02F-AAT

Care of DISCS

Proper Handling



Handle your disc as shown. Do not drop the disc. Hold the disc so you will not leave fingerprints on the surface. If the surface is scratched, it may cause the pickup to skip signal tracks. Do not affix tape, paper, or gummed labels on the disc. Do not write on the disc.

Damaged Disc

Do not attempt to play damaged, warped or cracked discs. These could severely damage the playback mechanism.

Storage

When not in use, place your discs in their individual case and store them in a cool place away from the sun, heat, and dust.
Do not grip or pull out the disc with your hand while the disc is being pulled into the unit by the self loading mechanism.

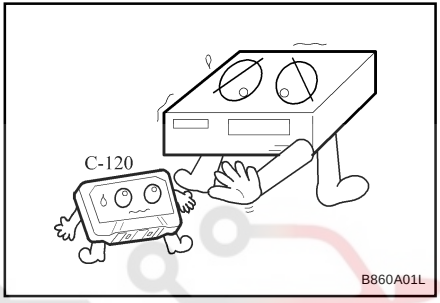
Keep Your Discs Clean



Fingerprints, dust, or soil on the surface of a disc could cause the pickup to skip signal tracks. Wipe the surface clean with a clean soft cloth. If the surface is heavily soiled, dampen a clean soft cloth in a solution of mild neutral detergent to wipe it clean.

B860A01A-AAT

CARE OF CASSETTE TAPES



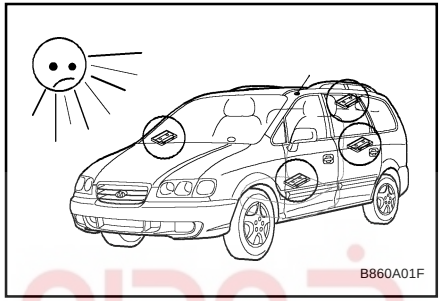
Proper care of your cassette tapes will extend the tape life and increase your listening enjoyment. Always protect your tapes and cassette cases from direct sunlight, severe cold and dusty conditions. When not in use, cassettes should always be stored in the protective cassette case in which they were originally supplied. When the vehicle is very hot or cold, allow the interior temperature to become more comfortable before listening to your cassettes.

- Never leave a cassette inserted in the player when not being played. This could damage the tape player unit and the cassette tape.
- We strongly recommend against the use of tapes longer than C-60 (60 minutes total). Tapes such as C-120 or C-180 are very thin and do not perform as well in the automotive environment.

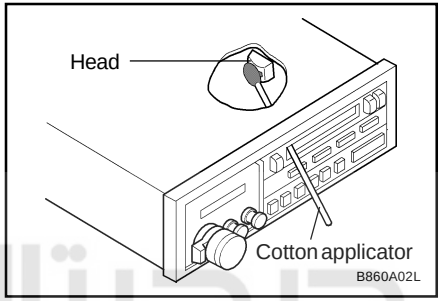
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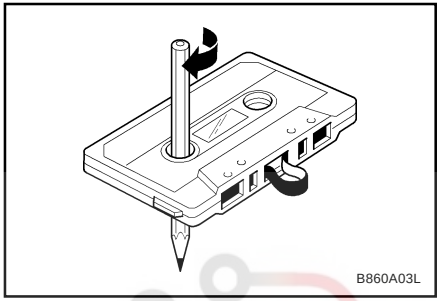
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- Be sure that the cassette label is not loose or peeling off or tape ejection may be difficult.
- Never touch or soil the actual audio tape surfaces.
- Keep all magnetized objects, such as electric motors, speakers or transformers away from your cassette tapes and tape player unit.
- Store cassettes in a cool, dry place with the open side facing down to prevent dust from setting in the cassette body.
- Avoid repeated fast reverse usage to replay one given tune or tape section. This can cause poor tape winding to occur, and eventually cause excessive internal drag and poor audio quality in the cassette. If this occurs, it can sometimes be corrected by fast winding the tape from end to end several times. If this does not correct the problem, do not continue to use the tape in your vehicle.



- The playback head, capstan and pinch rollers will develop a coating of tape residue that can result in deterioration of sound quality, such as a wavering sound. They should be cleaned monthly using a commercially available head cleaning tape or special solution available from audio specialty shops. Follow the supplier's directions carefully and never oil any part of the tape player unit.
- Always be sure that the tape is tightly wound on its reel before inserting in the player. Rotate a pencil in the drive sprockets to wind up any slack.



NOTE:

Look at a tape before you insert it.
If the tape is loose, tighten it by turning one of the hubs with a pencil or your finger.
If the label is peeling off, do not put it in the player. It may cause the tape jam in the drive mechanism when you try to eject it.
Do not leave tape sitting where they are exposed to hot warm or, high humidity, such as on top of the dashboard or in the player.
If a tape is exposed to excessively hot or cold, let it reach a moderate temperature before putting it in the player.

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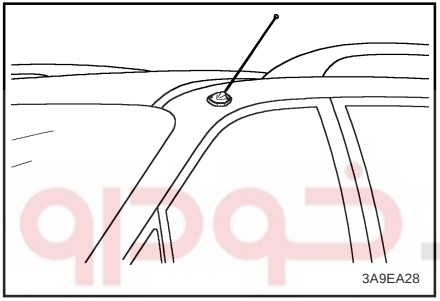
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B870C01A-GAT

ANTENNA

Manual Antenna



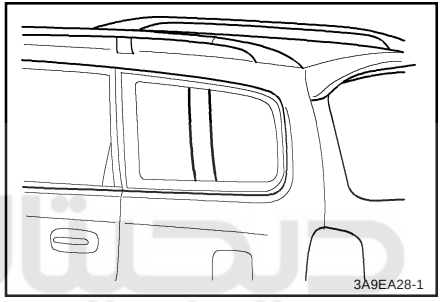
Your car uses a manual stainless steel antenna to receive both AM and FM broadcast signals. Pull up the antenna using your fingers, as shown in the drawing.

NOTE:

Before entering an automatic car wash or a place with a low height clearance, be sure that the antenna is fully retracted.

B880C02B-GAT

Glass Antenna (If installed)



When the radio power switch is turned on while the ignition key is in either the "ON" or "ACC" position, your car will receive both AM and FM broadcast signals through the antenna in the rear quarter glass.

CAUTION:

- **Do not clean the inner side of the rear quarter glass with an abrasive type of glass cleaner or use a scraper to remove foreign deposits from the inner surface of the glass as this may cause damage to the antenna elements.**
- **Avoid adding metallic coating such as Ni, Cd and so on. These can disturb receiving AM and FM broadcast signals.**

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2. DRIVING YOUR HYUNDAI

C010A01O-AAT

WARNING: ENGINE EXHAUST CAN BE DANGEROUS!

Engine exhaust fumes can be extremely dangerous. If, at any time, you smell exhaust fumes inside the vehicle, open the windows immediately.

o Do not inhale exhaust fumes.
Exhaust fumes contain carbon monoxide, a colorless, odorless gas that can cause unconsciousness and death by asphyxiation.

o Be sure the exhaust system does not leak.
The exhaust system should be checked whenever the vehicle is raised to change the oil or for any other purpose. If you hear a change in the sound of the exhaust or if you drive over something that strikes the underneath side of the car, have the exhaust system checked as soon as possible by your Hyundai dealer.

o Do not run the engine in an enclosed area.
Letting the engine idle in your garage, even with the garage door open, is a hazardous practice. Never run the engine in your garage any longer than it takes to start the engine and back the car out.

o Avoid idling the engine for prolonged periods with people inside the car.
If it is necessary to idle the engine for a prolonged period with people inside the car, be sure to do so only in an open area with the air intake set at "Fresh" and fan operating at one of the higher speeds so fresh air is drawn into the interior.

If you must drive with the tail gate open because you are carrying objects that make this necessary:

1. Close all windows.
2. Open side vents.
3. Set the air intake control at "Fresh", the air flow control at "Floor" or "Face" and the fan at one of the higher speeds.

To assure proper operation of the ventilation system, be sure the ventilation air intakes located just in front of the windshield are kept clear of snow, ice, leaves or other obstructions.

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C020A01O-AAT

BEFORE STARTING THE ENGINE

Before you start the engine, you should always:

1. Look around the vehicle to be sure there are no flat tires, puddles of oil, water or other indications of possible trouble.
2. After entering the car, check to be sure the parking brake is engaged.
3. Check that all windows, and lights are clean.
4. Check that the interior and exterior mirrors are clean and in position.
5. Check your seat, seatback and headrest to be sure they are in their proper positions.
6. Lock all the doors.
7. Fasten your seat belt and be sure that all other occupants have fastened theirs.
8. Turn off all lights and accessories that are not needed.
9. When you turn the ignition switch to "ON", check that all appropriate warning lights are operating and that you have sufficient fuel.
10. Check the operation of warning lights and all bulbs when key is in the "ON" position.

WARNING: (Diesel Engine)

To ensure that sufficient vacuum exists within the brake system during cold weather start-up conditions, it is necessary to run the engine at idle for several seconds after starting the engine.

C030A01A-GAT

COMBINATION IGNITION SWITCH

To Start the Engine

- If your Hyundai is equipped with a manual transaxle, place the shift lever in neutral and depress the clutch pedal fully.
- If your Hyundai has an automatic transaxle, place the shift lever in "P" (park).
- To start the engine, insert the ignition key and turn it to the "START" position. Release it as soon as the engine starts. Do not hold the key in the "START" position for more than 15 seconds.

NOTE:

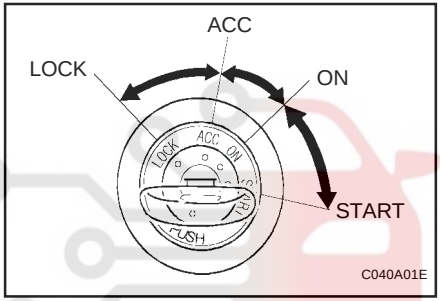
For safety, the engine will not start if the shift lever is not in "P" or "N" Position (Automatic Transaxle).

C040A01A-AAT

KEY POSITIONS

WARNING:

The engine should not be turned off or the key removed from the ignition key cylinder while the vehicle is in motion. The steering wheel is locked by removing the key.



o "START"

The engine is started in this position. It will crank until you release the key.

NOTE:

Do not hold the key in the "START" position for more than 15 seconds.

o "ON"

When the key is in the "ON" position, the ignition is on and all accessories may be turned on. If the engine is not running, the key should not be left in the "ON" position. This will discharge the battery and may also damage the ignition system.

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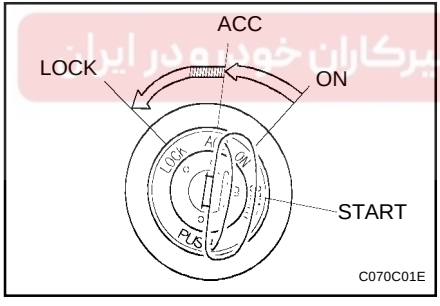
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o "ACC"
With the key in the "ACC" position, the some electrical accessories (radio, etc.) may be operated.

o "LOCK"
The key can be removed or inserted in this position.
To protect against theft, the steering wheel locks by removing the key.

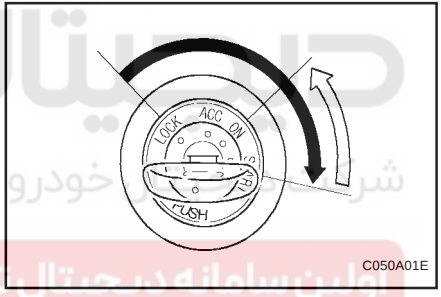
NOTE:
To unlock the steering wheel, insert the key, and then turn the steering wheel and key simultaneously.

C070C01A-AAT
To remove the ignition key



1. Turn the ignition key to the "ACC" position.
2. Simultaneously push and turn the ignition key counterclockwise from the "ACC" position to the "LOCK" position.
3. The key can be removed in the "LOCK" position.

C050A01A-AAT
STARTING



WARNING:
Never run the engine in a closed or poorly ventilated area any longer than is needed to move your car in or out of the area. The carbon monoxide gas emitted is odorless and can cause serious injury or death.

C051A01O-GAT
Starting (Diesel Engine)
ENGINE COLD
- o Turn the ignition key to position "ON" and wait for the pre-heat indicator light to go out.
- o Operate the starter until the engine runs.

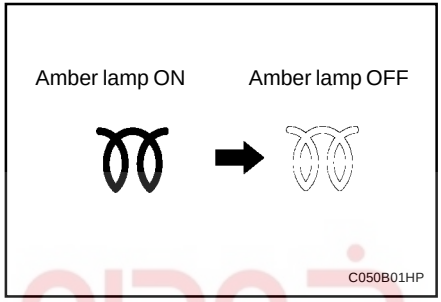
ENGINE WARM
Operate the starter. If the engine does not respond on the first attempt, wait several seconds and try again using the pre-heat.

C050B02S-GAT
NORMAL CONDITIONS
The Starting Procedure:
1. Insert key, and fasten the seat belt.
2. Depress the clutch pedal fully and place the gearshift lever (manual transaxle) in neutral or the selector lever (automatic transaxle) in "P" (park) position.
3. After turning the ignition key to the "ON" position, make certain all warning lights and gauges are functioning properly before starting the engine.
4. On vehicles equipped with the diesel preheat indication light, turn the ignition key to the "ON" position. The diesel-preheat indication light will first illuminate in amber, and then after a short time, the amber illumination will goes off, indicating that preheating is completed.

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NOTE:
If the engine were not started 10 seconds after the preheating is completed, turn the ignition key once more to the "LOCK" position, and then to the "ON" position, in order to preheat again.

WARNING:
Be sure that the clutch is fully depressed when starting a manual transaxle vehicle. Otherwise there is the potential to cause damage to the vehicle or injury to someone inside or outside the vehicle as a result of the forward or backward movement of the vehicle that will occur if the clutch is not depressed when the vehicle is started.

5. Turn the ignition key to the "Start" position and release it when the engine starts.

C055B01B-GAT

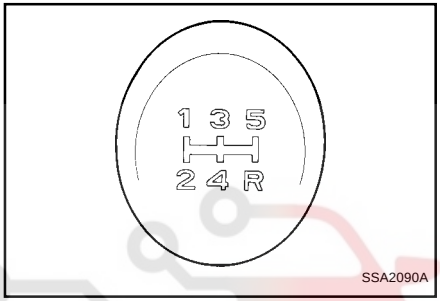
STARTING AND STOPPING THE ENGINE FOR TURBO CHARGER INTERCOOLER (Diesel Engine)

(1) Do not race the engine or sudden accelerate the engine immediately after start it. If the engine is cold, allow the engine to idle for several seconds before it is driven to ensure sufficient lubrication of the turbo charger unit.
(2) After high speed or extended driving, requiring a heavy engine load, the engine should be allowed to idle about 1 minute before turning it off.
This idle time will allow the turbo charger to cool prior to shutting the engine off.

WARNING:
Do not turn the engine off immediately after it has been subjected to a heavy load. Doing so may cause severe damage to the engine or turbo charger unit.

C070A02A-AAT

OPERATING THE MANUAL TRANSAXLE



Your Hyundai's manual transaxle has a conventional shift pattern. This shift pattern is imprinted on the shift knob. The transaxle is fully synchronized in all forward gears so shifting to either a higher or a lower gear is easily accomplished.

NOTE:
- **To shift into reverse, rest the lever in neutral for at least 3 seconds after your car is completely stopped. Then move the lever into the reverse position.**
- **During cold weather, shifting may be difficult until the transaxle lubricant has warmed up. This is normal and not harmful to the transaxle.**
- **If you 've come to a complete stop and it's hard to shift into 1st or R(Reverse), put the shift lever in N(Neutral) position and release the clutch. Press the clutch pedal**

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back down, and then shift into 1st or R(Reverse) gear position.

- **Do not use the shift lever as a handrest during driving, as this can result in premature wear of the transaxle shift forks.**

CAUTION:

When downshifting from fifth gear to fourth gear, caution should be taken not to inadvertently press the gear lever sideways in such a manner that second gear is engaged. Such a drastic downshift may cause the engine speed to increase to the point that the tachometer will enter the red-zone. Such over-revving of the engine may possibly cause engine damage.

C070B01A-AAT

Using the Clutch

The clutch should be pressed all the way to the floor before shifting, then released slowly. The clutch pedal should always be used after fully returning to the original position. Do not rest your foot on the clutch pedal while driving. This can cause unnecessary wear. Do not partially engage the clutch to hold the car on an incline. This causes unnecessary wear. Use the parking brake to hold the car on an incline. Do not operate the clutch pedal rapidly and repeatedly.

C070D02A-AAT

Good Driving Practices

- Never take the car out of gear and coast down a hill. This is extremely hazardous. Always leave the car in gear.
- Don't "ride" the brakes. This can cause them to overheat and malfunction. Instead, when you are driving down a long hill, slow down and shift to a lower gear. When you do this, engine braking will help slow the car.
- Slow down before shifting to a lower gear. This will help avoid over-revving the engine, which can cause damage.
- Slow down when you encounter cross winds. This gives you much better control of your car.
- Be sure the car is completely stopped before you attempt to shift into reverse. The transaxle can be damaged if you do not. To shift into reverse, depress the clutch, move the shift lever to neutral, wait three seconds, then shift to the reverse position.
- Exercise extreme caution when driving on a slippery surface. Be especially careful when braking, accelerating or shifting gears. On a slippery surface, an abrupt change in vehicle speed can cause the drive wheels to lose traction and the vehicle to go out of control.

WARNING:

- **The risk of rollover is greatly increased if you lose control of your vehicle at high-way speeds.**
- **Loss of control often occurs if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.**
- **In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes**
- **In a collision crash, on unbelted person is significantly more likely to die than a person wearing a seatbelt.**
- **Never exceed posted speed limits.**

C070E02A-GAT

RECOMMENDED SHIFT POINTS

Shift from-to	Recommended
1-2	20 km/h (15 mph)
2-3	40 km/h (25 mph)
3-4	55 km/h (35 mph)
4-5	75 km/h (45 mph)

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

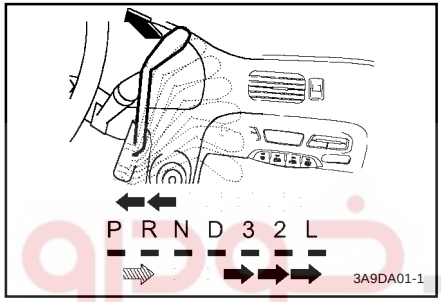
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C090A02B-GAT

AUTOMATIC TRANSAXLE (If installed)



The highly efficient Hyundai automatic transaxle has four forward speeds and one reverse speed. It has a conventional shift pattern as shown in the illustration. At night, with the multi-function switch turned on to the parking light or headlight position the appropriate symbol on the shift pattern indicator will be illuminated according to the range selected.

CAUTION:
Never shift into "R" or "P" position while the vehicle is moving.

NOTE:
- **Depress the brake pedal and pull the select lever when shifting.**
- **Pull the selector lever when shifting.**
- **The selector lever can be shifted freely.**

The first few shifts on a new vehicle, or if the battery has been disconnected, may be somewhat abrupt. This is a normal condition, and the shifting sequence will adjust after shifts are cycled a few times by the T.C.M (Transaxle Control Module.)

WARNING:
When shifting the selector lever, be sure that the appropriate symbol on the shift pattern indicator will be illuminated according to the range selected.

C090B01A-AAT

The function of each position is as follows:

o P (Park):
Use to hold the vehicle in place when parked or while starting the engine. Whenever parking the car, apply the parking brake and shift the selector lever to the "P" (Park) position.

CAUTION:
Never place the selector lever in the "P" (Park) position unless the vehicle is fully stopped. Failure to observe this caution will cause severe damage to the transaxle.

C090C01A-AAT

o R(Reverse):
Use for backing up the vehicle. Bring the car to a complete stop before shifting the selector lever to "R" position.

C090D02A-AAT

o N (Neutral):
In the "N" position, the transaxle is in neutral, which means that no gears are engaged. The engine can be started with the shift lever in "N" position, although this is not recommended except if the engine stalls while the car is moving.

C090E01A-GAT

o D (Drive):
Use for normal driving. The transaxle will automatically shift through a four-gear sequence, giving best economy and power. Never downshift manually to "2" position or "L" position when vehicle speed is more than 95 km/h (60 mph).

C090F01A-AAT

o 2 (Second gear):
Use for driving on a slippery road, hill climbing or engine braking downhill. "2" automatically shifts between first and second gears.
This means that no shift-up to 3rd gear is performed. However, the shift-up to third gear is done when the car speed exceeds a certain value to prevent the engine from over-revving.
Manually move the selector to "D" returning to normal driving condition.

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C090Q01A-GAT

o 3 (Third gear):

Use for towing a trailer during hill climbing or to use engine braking downhill.
"3" automatically shifts between 1st, 2nd and 3rd gears. This means that no shift-up to 4th gear is performed. However, the shift-up to 4th gear is done when the car speed exceeds a certain value to prevent the engine from over-revving. Manually move the selector to "D" when returning to normal driving condition.

C090G01A-GAT

o L (Low gear):

Use for driving up a very steep grade or for engine braking when descending steep hills. When downshifting to "L", the transaxle will temporarily remain in second gear until the vehicle has slowed enough for low gear to engage. Do not exceed 50 km/h (30 mph) in low gear.

C090H01A-GAT

NOTE:

- **For smooth and safe operation, depress the brake pedal when shifting from "Neutral" position or "Park" position to a forward or reverse gear.**
- **The brake pedal fully depressed in order to move the shift lever from the "P" (Park) position to any of the other positions.**
- **It is always possible to shift from "R", "N", "D", "2", "L" position to "P" position.**

C090I01A-AAT

CAUTION:

- **Shift into "R" and "P" position only when the vehicle has completely stopped.**
- **Do not accelerate the engine in the reverse or any of the forward positions with the brakes applied.**
- **Always apply the footbrake when shifting from "P" or "N", to "R", "D", "2", "3" or "L" position.**
- **Do not use the "P" (Park) position in place of the parking brake. Always set the parking brake, shift the transaxle into "P" (Park) position and turn off the ignition when you leave the vehicle, even momentarily. Never leave the vehicle unattended while the engine is running.**
- **Check the automatic transaxle fluid level regularly, and add fluid as necessary.**

C090N02Y-AAT

Good Driving Practices

- Never move the gear selector lever from "P" or "N" to any other position with the accelerator pedal depressed.
- Never move the gear selector lever into "P" when the vehicle is in motion.
- Be sure the car is completely stopped before you attempt to shift into "R".
- Never take the car out of gear and coast down a hill. This may be extremely hazardous. Always leave the car in gear when moving.
- Do not "ride" the brakes. This can cause them to overheat and malfunction. Instead, when you are driving down a long hill, slow down and shift to a lower gear. When you do this, engine braking will help slow the car.
- Slow down before shifting to a lower gear. Otherwise, the lower gear may not be engaged.
- Always use the parking brake. Do not depend on placing the transaxle in "P" to keep the car from moving.
- Exercise extreme caution when driving on a slippery surface. Be especially careful when braking, accelerating or shifting gears. On a slippery surface, an abrupt change in vehicle speed can cause the drive wheels to lose traction and the vehicle to go out of control.

WARNING:

- **The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds.**
- **Loss of control often occurs if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.**
- **In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes.**
- **In a collision crash, on unbelted person is significantly more likely to die than a person wearing a seatbelt.**
- **Never exceed posted speed limits.**

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C120A02A-AAT

ANTI-LOCK BRAKE SYSTEM (If installed)

The Anti-Lock Brake System (ABS) is designed to prevent wheel lock-up during sudden braking or on hazardous road surfaces. The ABS control module monitors the wheel speed and controls the pressure applied to each brake. Thus, in emergency situations or on slick roads, ABS will increase vehicle control during braking.

NOTE:

During ABS operation, a slight pulsation may be felt in the brake pedal when the brakes are applied. Also, a noise may be heard in the engine compartment while braking. These conditions are normal and indicate that the anti-lock brake system is functioning properly.

WARNING:

Your ABS will not prevent accidents due to improper or dangerous driving maneuvers. Even though vehicle control is improved during emergency braking, always maintain a safe distance between you and objects ahead. Vehicle speeds should always be reduced during extreme road conditions.

The braking distance for cars equipped with an anti-lock braking system may be longer than for those without it in the following road conditions.

During these conditions the vehicle should be driven at reduced speeds.

- **Rough, gravel or snow-covered roads.**
- **With tire chains installed.**
- **On roads where the road surface is pitted or has different surface height.**

The safety features of an ABS equipped vehicle should not be tested by high speed driving or cornering. This could endanger the safety of yourself or others.

C130A01A-AAT

GOOD BRAKING PRACTICES

WARNING:

Nothing should be carried on top of the cargo area cover behind the rear seat. If there were an accident or a sudden stop, such objects could move forward and cause damage to the vehicle or injure the occupants.

- After being parked, check to be sure the parking brake is not engaged and that the parking brake indicator light is out before driving away.
- Driving through water may get the brakes wet. They can also get wet when the car is washed. Wet brakes can be dangerous! Your car will not stop as quickly if the brakes are wet. Wet brakes cause the car to pull to one side. To dry the brakes, apply the brakes lightly until the braking action returns to normal, taking care to keep the car under control at all times. If the braking action does not return to normal, stop as soon as it is safe to do so and call your Hyundai dealer for assistance.
- Don't coast down hills with the car out of gear. This is extremely hazardous. Keep the car in gear at all times, use the brakes to slow down, then shift to a lower gear so that engine braking will help you maintain a safe speed.
- Don't "ride" the brake pedal. Resting your foot on the brake pedal while driving can be dangerous because it can result in the brakes overheating and losing their effectiveness. It also increases the wear of the brake components.
- If a tire goes flat while you are driving, apply the brakes gently and keep the car pointed straight ahead while you slow down. When you are moving slowly enough for it to be safe to do so, pull off the road and stop in a safe place.
- If your car is equipped with an automatic transaxle, don't let your car creep forward. To avoid creeping forward, keep your foot firmly on the brake pedal when the car is stopped.
- Use caution when parking on a hill. Engage the parking brake and place the gear selector lever in "P" (automatic transaxle) or in first or reverse gear (manual transaxle). If your car is facing downhill, turn the front wheels into the curb to help keep the car from rolling. If your car is facing uphill, turn the front wheels away

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from the curb to help keep the car from rolling. If there is no curb or if it is required by other conditions to keep the car from rolling, block the wheels.

- Under some conditions your parking brake can freeze in the engaged position. This is most likely to happen when there is an accumulation of snow or ice around or near the rear brakes or if the brakes are wet. If there is a risk that the parking brake may freeze, apply it only temporarily while you put the gear selector lever in "P" (automatic) or in first or reverse gear (manual transaxle) and block the rear wheels so the car cannot roll. Then release the parking brake.
- Do not hold the vehicle on the upgrade with the accelerator pedal. This can cause the transaxle to overheat. Always use the brake pedal or parking brake.

C140A01A-AAT

DRIVING FOR ECONOMY

You can save fuel and get more miles from your car if you follow these suggestions:

- Drive smoothly. Accelerate at a moderate rate. Don't make "jack-rabbit" starts or full-throttle shifts and maintain a steady cruising speed. Don't race between stoplights. Try to adjust your speed to that of the other traffic so you don't have to change speeds unnecessarily. Avoid heavy traffic whenever possible. Always maintain a safe distance from other vehicles so you can avoid unnecessary braking. This also reduces brake wear.
- Drive at a moderate speed. The faster you drive, the more fuel your car uses. Driving at a moderate speed, especially on the highway, is one of the most effective ways to reduce fuel consumption.
- Don't "ride" the brake or clutch pedal. This can increase fuel consumption and also increase wear on these components. In addition, driving with your foot resting on the brake pedal may cause the brakes to overheat, which reduces their effectiveness and may lead to more serious consequences.
- Take care of your tires. Keep them inflated to the recommended pressure. Incorrect inflation, either too much or too little, results in unnecessary tire wear. Check the tire pressures at least once a month.
- Be sure that the wheels are aligned correctly. Improper alignment can result from hitting curbs or driving too fast over irregular surfaces. Poor alignment causes faster tire wear and may also result in other problems as well as greater fuel consumption.
- Keep your car in good condition. For better fuel economy and reduced maintenance costs, maintain your car in accordance with the maintenance schedule in Section 5. If you drive your car in severe conditions, more frequent maintenance is required (see Section 5 for details).
- Keep your car clean. For maximum service, your Hyundai should be kept clean and free of corrosive materials. It is especially important that mud, dirt, ice, etc. not be allowed to accumulate on the underside of the car. This extra weight can result in increased fuel consumption and also contribute to corrosion.
- Travel lightly. Don't carry unnecessary weight in your car. Weight reduces fuel economy.
- Don't let the engine idle longer than necessary. If you are waiting (and not in traffic), turn off your engine and restart only when you're ready to go.
- Remember, your Hyundai does not require extended warm-up. As soon as the engine is running smoothly, you can drive away. In very cold weather, however, give your engine a slightly longer warm-up period.
- Don't "lug" or "over-rev" the engine. Lugging is driving too slowly in too high a gear resulting in the engine bucking. If this happens, shift to a lower gear. Over-revving is racing the engine beyond its safe limit. This can be avoided by shifting at the recommended speeds.
- Use your air conditioning sparingly. The air conditioning system is operated by engine power so your fuel economy is reduced when you use it.

C150A01A-AAT

SMOOTH CORNERING

Avoid braking or gear changing in corners, especially when roads are wet. Ideally, corners should always be taken under gentle acceleration. If you follow these suggestions, tire wear will be held to a minimum.

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C160A01A-AAT

WINTER DRIVING

The more severe weather conditions of winter result in greater wear and other problems. To minimize the problems of winter driving, you should follow these suggestions:

C160B01A-GAT

Snowy or Icy Conditions

To drive your vehicle in deep snow, it may be necessary to use snow tires or to install tire chains on your tires. If snow tires are needed, it is necessary to select tires equivalent in size and type of the original equipment tires. Failure to do so may adversely affect the safety and handling of your car. Furthermore, speeding, rapid acceleration, sudden brake applications, and sharp turns are potentially very hazardous practices. During deceleration, use engine braking to the fullest extent. Sudden brake applications on snowy or icy roads may cause skids to occur. You need to keep sufficient distance between the vehicle in operation in front and your vehicle. Also, apply the brake gently. It should be noted that installing tire chains on the tire will provide a greater driving force, but will not prevent side skids.

NOTE:

Tire chains are not legal in all provinces. Check provinces laws before fitting tire chains.

C160C01A-AAT

Use High Quality Ethylene Glycol Coolant

Your Hyundai is delivered with high quality ethylene glycol coolant in the cooling system. It is the only type of coolant that should be used because it helps prevent corrosion in the cooling system, lubricates the water pump and prevents freezing. Be sure to replace or replenish your coolant in accordance with the maintenance schedule in Section 5. Before winter, have your coolant tested to assure that its freezing point is sufficient for the temperatures anticipated during the winter.

C160D01A-AAT

Check Battery and Cables

Winter puts additional burdens on the battery system. Visually inspect the battery and cables as described in Section 6. The level of charge in your battery can be checked by your Hyundai dealer or a service station.

C160E01A-AAT

Change to "Winter Weight" Oil if Necessary

In some climates it is recommended that a lower viscosity "winter weight" oil be used during cold weather. See Section 9 for recommendations. If you aren't sure what weight oil you should use, consult your Hyundai dealer.

C160F01A-AAT

Check Spark Plugs and Ignition System

Inspect your spark plugs as described in Section 6 and replace them if necessary. Also check all ignition wiring and components to be sure they are not cracked, worn or damaged in any way.

C160G02A-GAT

To Keep Locks from Freezing

To keep the locks from freezing, squirt an approved de-icer fluid or glycerine into the key opening. If a lock is covered with ice, squirt it with an approved de-icing fluid to remove the ice. If the lock is frozen internally, you may be able to thaw it out by using a heated key. Handle the heated key with care to avoid injury.

NOTE:

The proper temperature for using the immobilizer key is from -40°C(-40°F) to 80°C(176°F). If you heat the immobilizer key over 80°C to open the frozen lock, it may cause damage to the transponder in its head.

C160H01A-AAT

Use Approved Anti-Freeze in Window Washer System

To keep the water in the window washer system from freezing, add an approved anti-freeze solution in accordance with instructions on the container. Window washer anti-freeze is available

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from Hyundai dealers and most auto parts outlets. Do not use engine coolant or other types of anti-freeze as these may damage the finish.

C160I01A-AAT

Don't Let Your Parking Brake Freeze

Under some conditions your parking brake can freeze in the engaged position. This is most likely to happen when there is an accumulation of snow or ice around or near the rear brakes or if the brakes are wet. If there is a risk the parking brake may freeze, apply it only temporarily while you put the gear selector lever in "P" (automatic) or in first or reverse gear (manual transaxle) and block the rear wheels so the car cannot roll. Then release the parking brake.

C160J01A-AAT

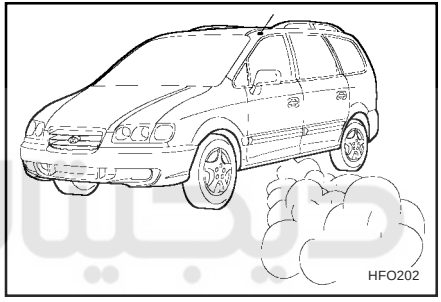
Don't Let Ice and Snow Accumulate Underneath

Under some conditions, snow and ice can build up under the fenders and interfere with the steering. When driving in severe winter conditions where this may happen, you should periodically check underneath the car to be sure the movement of the front wheels and the steering components is not obstructed.

C160K01B-GAT

Carry Emergency Equipment

Depending on the severity of the weather where you drive your car, you should carry appropriate emergency equipment. Some of the items you may want to carry include tire chains, tow straps or chains, flashlight, emergency flares, sand, a shovel, jumper cables, a window scraper, gloves, ground cloth, coveralls, a blanket, etc.



CAUTION (If installed):

White smoke may arise from the fuel fired heater outlet in the center point of the floor panel of a vehicle during winter driving. This is a normal condition.

But, If a black (or gray) smoke is generated heavily, have the fuel fired heater checked by your Hyundai dealer.

If the engine stops while the fuel fired heater is operating, whizzing noise may be heard from the lower of the battery in the engine compartment.

This is due to cleaning process for fuel fired heater and a normal operation.

It will takes about 1- 3 minutes according to fuel quantity in the fuel fired heater fuel line.

C170A01A-AAT

HIGHER SPEED MOTORING

Pre-Trip Inspections

1. Tires;

Adjust the tire inflation pressures to specification. Low tire inflation pressures will result in overheating and possible failure of the tires.

Avoid using worn or damaged tires which may result in reduced traction or tire failure.

NOTE:

Never exceed the maximum tire inflation pressure shown on the tires.

2. Fuel, engine coolant and engine oil:

High speed travel consumes more fuel than urban motoring. Do not forget to check both engine coolant and engine oil.

3. Drive belt;

A loose or damaged drive belt may result in overheating of the engine.

C180A01A-AAT

USE OF LIGHTS

Check your lights regularly for correct operation and always keep them clean. When driving during the day in conditions of poor visibility, it is helpful to drive with headlights on low beam. This enables you to be seen as well as to see.

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C190A01A-GAT

TRAILER OR VEHICLE TOWING

If you are considering towing with your car, you should first check with your Province Department of Motor Vehicles to determine their legal requirements.
Since laws vary from province to province the requirements for towing trailers, cars, or other types of vehicles or apparatus may differ. Ask your Hyundai dealer for further details before towing.

CAUTION:
Do not do any towing with your car during its first 2,000 km (1,200 miles) in order to allow the engine to properly break in. Failure to heed this caution may result in serious engine or transaxle damage.

C190B01S-AAT

Trailer Hitches

Select the proper hitch and ball combination, making sure that it's location is compatible with that of the trailer or vehicle being towed.
Use a quality non-equalizing hitch which distributes the tongue load uniformly throughout the chassis.

The hitch should be bolted securely to the car and installed by a qualified technician. DO NOT USE A HITCH DESIGNED FOR TEMPORARY INSTALLATION AND NEVER USE ONE THAT ATTACHES ONLY TO THE BUMPER.

C190C02Y-GAT

Trailer Brakes

If your trailer is equipped with a braking system, make sure it conforms to federal and/or local regulations and that it is properly installed and operating correctly.

NOTE:
If your trailer is equipped with a braking system, make sure it conforms to federal and/or local regulations and that it is properly installed and operating correctly. If you tow a trailer or vehicle, your car will require more frequent maintenance due to the additional load. See "Maintenance Under Severe Usage Conditions" on page 5-5.

CAUTION:
- **Never connect a trailer brake system directly to the vehicle brake system.**
- **When towing a trailer on steep grades (in excess of 12%) pay close attention to the engine coolant temperature gauge to ensure the engine does not overheat. If the needle of the coolant temperature gauge moves across the dial towards "H" (HOT), pull over and stop as soon as it is safe to do so, and allow the engine to idle until it cools down. You may proceed once the engine has cooled sufficiently.**

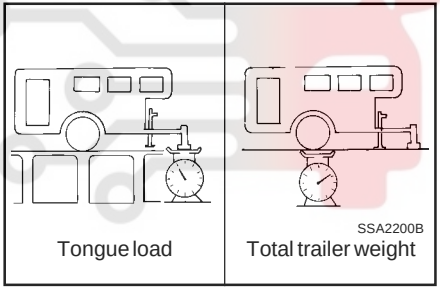
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Safety Chains

Should the hitch connection between your car and the trailer or vehicle you are towing fail, the trailer or vehicle could wander dangerously across other lanes of traffic and ultimately collide with another vehicle. To eliminate this potentially dangerous situation, safety chains, attached between your car and the trailer or towed vehicle, are required in most provinces.

C190E05B-GAT

Trailer Weight Limit



Tongue loads can be increased or decreased by redistributing the load in the trailer.
This can be verified by checking the total weight of the loaded trailer and then checking the load on the tongue.

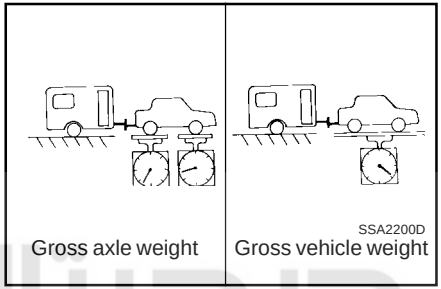
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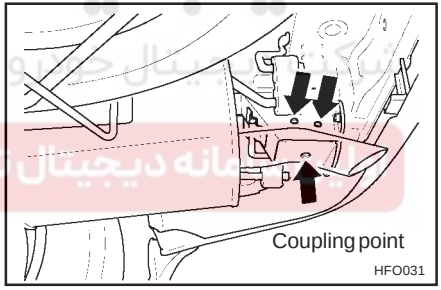
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NOTE:

1. **Never load the trailer with more weight in the back than in the front. About 60% of the trailer load should be in the front half on the trailer and the remaining 40% in the rear.**
2. **The total gross vehicle weight with trailer must not exceed the Gross Vehicle Weight Rating (GVWR) shown on the vehicle identification plate (see page 8-1). The total gross vehicle weight is the combined weight of the vehicle, driver, all passengers and their luggage, cargo, hitch, trailer tongue load and other optional equipment.**
3. **The front or rear axle weight must not exceed the Gross Axle Weight Rating (GAWR) shown on the vehicle identification plate (see page 8-1). It is possible that your towing package does not exceed the GVWR but exceeds the GAWR. Improper trailer loading and/or too much luggage in the cargo area can overload the rear axle. Redistribute the load and check the axle weight again.**
4. **The maximum permissible static vertical load on the coupling device is :**
   Gasoline- 2.0L : 75kg, 2.7L : 80kg
   Diesel- 80kg



5. **The maximum permissible overhang of the coupling point is 1020 mm.**



CAUTION:

The following specifications are recommended when towing a trailer. The loaded trailer weight cannot safely exceed the values in the chart follow.

kg. (Lbs)

ITEM	Maximum Towable Weight					
	Trailer Weight			Tongue Load		
	2.0	2.7	Diesel	2.0	2.7	Diesel
With Brake	1800 (3968)	2000 (4409)	1550(3417) : Manual 1450(3197) : Auto	75 (165)	80 (176)	
Without Brake	700 (1543)			75 (165)		

WARNING:

Improperly loading your car and trailer can seriously affect its steering and braking performance causing a crash which could cause serious injury or death.

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C190F01Y-GAT

Trailer or Vehicle Towing Tips

1. Before towing, check hitch and safety chain connections as well as proper operation of the trailer running lights, brake lights, and turn signals.
2. Always drive your vehicle at a moderate speed (Less than 100 km/h).
3. Trailer towing requires more fuel than normal conditions.
4. To maintain engine braking efficiency, do not tow a trailer with the transaxle in fifth gear (manual transaxle) or an overdrive gear (automatic transaxle).
5. Always secure items in the trailer to prevent load shift while driving.
6. Check the condition and air pressure of all tires on the trailer and your car. Low tire pressure can seriously affect the handling. Also check the spare tire.
7. The vehicle/trailer combination is more affected by crosswind and buffeting. When being passed by a large vehicle, keep a constant speed and steer straight ahead. If there is too much wind buffeting, slow down to get out of the other vehicle's air turbulence.
8. When parking your car and trailer, especially on a hill, be sure to follow all the normal precautions. Turn your front wheel into the curb, set the parking brake firmly, and put the transmission in 1st or Reverse (manual) or Park (automatic). In addition, place wheel chocks at each of the trailer's tires.
9. If the trailer has electric brakes, start your vehicle and trailer moving, and then apply the trailer brake controller by hand to be sure the brakes are working. This lets you check your electrical connection at the same time.
10. During your trip, check occasionally to be sure that the load is secure, and that the lights and any trailer brakes are still working.
11. Avoid jerky starts, sudden acceleration or sudden stops.
12. Avoid sharp turns and rapid lane changes.
13. Avoid holding the brake pedal down too long or too frequently. This could cause the brakes to overheat, resulting in reduced braking efficiency.
14. When going down a hill, shift into a lower gear and use the engine braking effect. When ascending a long grade, downshift the transmission to a lower gear and reduce speed to reduce chances of engine overloading and/or overheating.
15. If you have to stop while going uphill, do not hold the vehicle in place by pressing on the accelerator. This can cause the automatic transmission to overheat. Use the parking brake or footbrake.

NOTE:
When towing, check transaxle fluid more frequently.

CAUTION:
If overheating should occur when towing, (temperature gauge reads near red zone), taking the following action may reduce or eliminate the problem.

1. **Turn off the air conditioner.**
2. **Reduce highway speed.**
3. **Select a lower gear when going uphill.**
4. **While in stop and go traffic, place the gear selector in park or neutral and idle the engine at a higher speed.**

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3. WHAT TO DO IN AN EMERGENCY

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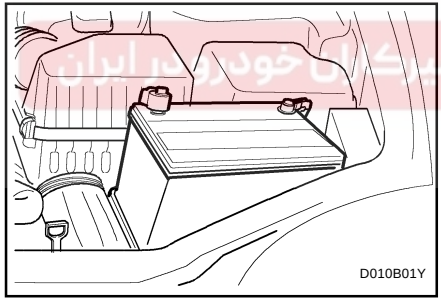
IF THE ENGINE WILL NOT START

WARNING:

If the engine will not start, do not push or pull the car to start it. This could result in a collision or cause other damage. In addition, push or pull starting may cause the catalytic converter to be overloaded and create a fire hazard.

D010B01A-AAT

If Engine Doesn't Turn Over or Turns Over Slowly



1. If your car has an automatic transaxle, be sure the gear selector lever is in "N" or "P" and the emergency brake is set.
2. Check the battery connections to be sure they are clean and tight.
3. Turn on the interior light. If the light dims or goes out when you operate the starter, the battery is discharged.
4. Check the starter connections to be sure they are securely tightened.
5. Do not push or pull the vehicle to start it. See instructions for "Jump Starting".

D010C01Y-AAT

If Engine Turns Over Normally but Does Not Start

1. Check fuel level.
2. With the key in the "OFF" position, check all connectors at ignition coils and spark plugs. Reconnect any that may be disconnected or loose.
3. Check the fuel line in the engine room.
4. If engine still refuses to start, call a Hyundai dealer or seek other qualified assistance.

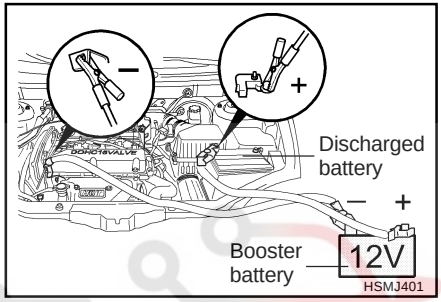
D010D01A-AAT

If Engine Stalls While Driving

1. Reduce your speed gradually, keeping a straight line. Move cautiously off the road to a safe place.
2. Turn on your emergency flashers.
3. Try to start the engine again. If your vehicle will not start, contact a Hyundai dealer or seek other qualified assistance.

D020A02A-AAT

JUMP STARTING



WARNING:

The gas produced by the battery during the jump-start operation is highly explosive. If these instructions are not followed exactly, serious personal injury and damage to the vehicle may occur! If you are not sure how to follow this procedure, seek qualified assistance. Automobile batteries contain sulfuric acid. This is poisonous and highly corrosive. When jump starting, wear protective glasses and be careful not to get acid on yourself, your clothing or on the car.

- If you should accidentally get acid on your skin or in your eyes, immediately remove any contaminated clothing and flush the area with clear water for at least 15 minutes. Then promptly obtain medical attention. If you must be transported to an emergency facility, con-

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tinue to apply water to the affected area with a sponge or cloth.

- The gas produced by the battery during the jump-start operation is highly explosive. Do not smoke or allow a spark or open flame in the vicinity.
- The battery being used to provide the jump start must be 12-volt. If you cannot determine that it is a 12-volt battery, do not attempt to use it for the jump start.
- To jump start a car with a discharged battery, follow this procedure exactly:

1. If the booster battery is installed in another vehicle, be sure the two vehicles are not touching.
2. Turn off all unnecessary lights and accessories in both vehicles.
3. Attach the clamps of the jumper cable in the exact location shown on the previous page. First, attach one clamp of the jumper cable to the positive (+) post or cable of the discharged battery. Then attach the other end of the same cable to the positive (+) post or cable of the booster battery. Next, using the other cable, attach one clamp to the negative (-) post or cable of the booster battery. Then attach the other end of that cable to a solid metal part of the engine away from the battery. Do not connect the cable to any moving part.
4. Start the engine in the car with the booster battery and let it run for a few minutes. This will help to assure that the booster battery is fully charged. During the jumping operation, run the engine in this vehicle at about 2000 rpm.
5. Start the engine in the car with the discharged battery using the normal starting procedure. After the engine starts, leave the jumper cables connected and let the engine run at fast idle or about 2000 rpm for several minutes.
6. Carefully remove the jumper cables in the reverse order of attachment.

If you do not know why your battery became discharged (because the lights were left on, etc.), have the charging system checked by your Hyundai dealer.

D030A01TB-AAT

IF THE ENGINE OVERHEATS

If your temperature gauge indicates overheating, you experience a loss of power, or hear loud pinging or knocking, the engine is probably too hot. If this happens to you, you should:

1. Pull off the road and stop as soon as it is safe to do so.
2. Place the gear selector lever in "P" (automatic), or neutral (manual transaxle) and set the parking brake. If the air conditioning is on, turn it off.
3. If coolant is running out under the car or steam is coming out from the hood, stop the engine. Do not open the hood until the coolant has stopped running or the steaming has stopped. If there is no visible loss of coolant and no steam, leave the engine running and check to be sure the engine cooling fan is operating. If the fan is not running, turn the engine off.
4. Check to see if the water pump drive belt is missing. If it is not missing, check to see that it is tight. If the drive belt seems to be satisfactory, check for coolant leaking from the radiator, hoses or under the car. (If the air conditioning had been in use, it is normal for cold water to be draining from it when you stop).

WARNING:
While the engine is running, keep hands and clothing away from moving parts such as the fan and drive belts to prevent injury.

WARNING (Diesel only):
Never work on injection system with engine running or within 30 seconds after shutting off engine. High pressure pump, rail, injectors and high pressure pipes are subject to high pressure even after the engine stopped. The fuel jet produced by fuel leaks may cause serious injury, if it touch the body. People using pacemakers should not move than 30cm closer to the ECU or wiring harness within the engine room while engine is running, since the high currents in the Common Rail system produce considerable magnetic fields.

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5. If the water pump drive belt is broken or coolant is leaking out, stop the engine immediately and call the nearest Hyundai dealer for assistance.

WARNING:
Do not remove the radiator cap when the engine is hot. This can allow coolant to be blown out of the opening and cause serious burns.

6. If you cannot find the cause of the overheating, wait until the engine temperature has returned to normal. Then, if coolant has been lost, carefully add coolant to the reservoir (page 6-9) to bring the fluid level in the reservoir up to the halfway mark.
7. Proceed with caution, keeping alert for further signs of overheating. If overheating happens again, call a Hyundai dealer for assistance.

CAUTION:
Serious loss of coolant indicates there is a leak in the cooling system and this should be checked as soon as possible by a Hyundai dealer.

D040A01A-GAT

SPARE TIRE

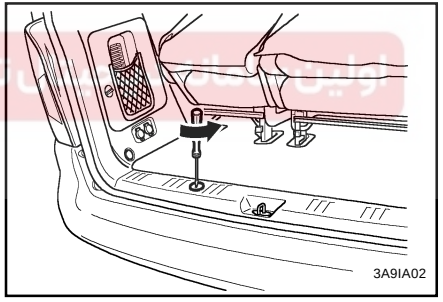
The following instructions for the FULL SIZE spare tire should be observed:
Check inflation pressure as soon as practical after installing the spare tire, and adjust to the specified pressure. The tire pressure should be periodically checked and maintained at the specified pressure while the tire is stored.

Spare Tire Pressure

Tire Size	Full Size
Inflation Pressure	220 kPa (32 psi)

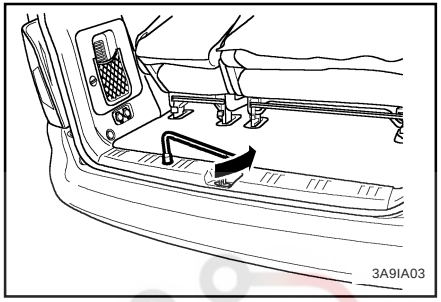
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Handling the Spare Tire

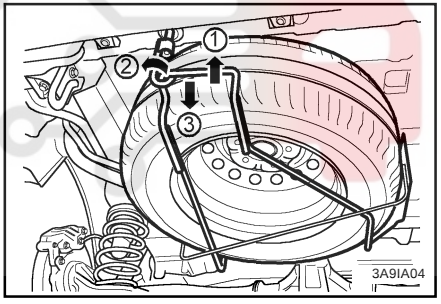


To remove the spare tire

1. Open the tail gate.
2. Remove the mounting bolt cover with the screw driver or coin.



3. Loosen the mounting bolt with a wheel nut wrench.



4. Lift up the hanger and separate it from the holder, then lower the hanger and remove the spare tire.

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To reinstall the spare tire

1. Set the spare tire on the center of the hanger, and then raise the hanger and hook it onto the holder.
2. Tighten the mounting bolt with the wheel nut wrench.
3. Install the mounting bolt cover with the screw driver.

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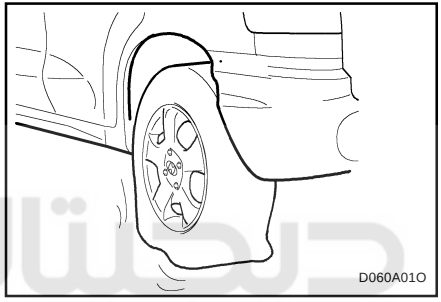
IF YOU HAVE A FLAT TIRE

If a tire goes flat while you are driving:

1. Take your foot off the accelerator pedal and let the car slow down while driving straight ahead. Do not apply the brakes immediately or attempt to pull off the road as this may cause a loss of control. When the car has slowed to such a speed that it is safe to do so, brake carefully and pull off the road. Drive off the road as far as possible and park on firm, level ground. If you are on a divided highway, do not park in the median area between the two traffic lanes.
2. When the car is stopped, turn on your emergency hazard flashers, set the parking brake and put the transaxle in "P" (automatic) or reverse (manual transaxle).
3. Have all passengers get out of the car. Be sure they all get out on the side of the car that is away from traffic.
4. Change the tire following the instructions provided on the following pages.

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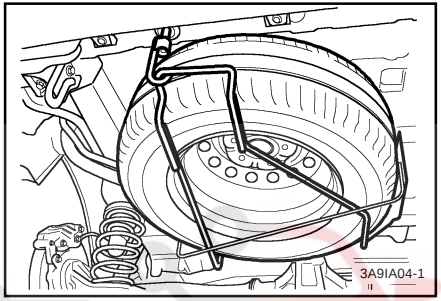
CHANGING A FLAT TIRE



The procedure described on the following pages can be used to rotate tires as well as to change a flat tire. When preparing to change a flat tire, check to be sure the gear selector lever is in "P" (automatic) or reverse gear (manual transaxle) and that the parking brake is set, then:

D060B02O-GAT

1. Obtain Spare Tire and Tool



Remove the spare tire and remove the jack and tool bag from the luggage compartment.

NOTE:
The spare tire is located underneath the car.

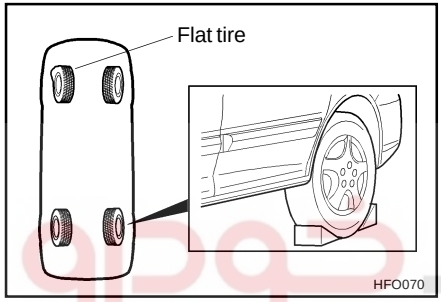
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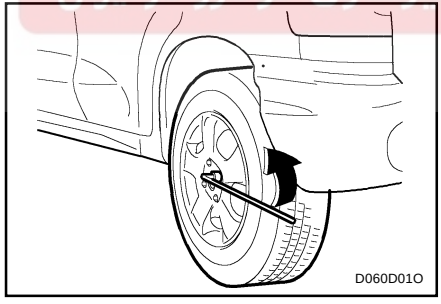
2. Block the Wheel



Block the wheel that is diagonally opposite from the flat to keep the vehicle from rolling when the car is raised on the jack.

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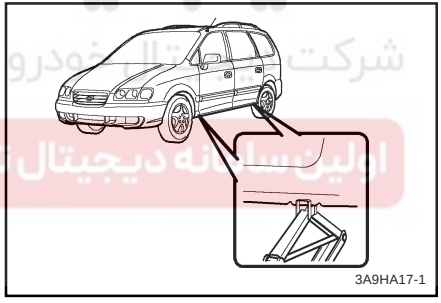
3. Loosen Wheel Nuts



The wheel nuts should be loosened slightly before raising the car. To loosen the nuts, turn the wrench handle counterclockwise. When doing this, be sure that the socket is seated completely over the nut so it cannot slip off. For maximum leverage, position the wrench so the handle is to the left as shown in the drawing. Then, while holding the wrench near the end of the handle, push down on it with steady pressure. Do not remove the nuts at this time. Just loosen them about one-half turn.

D060E01A-AAT

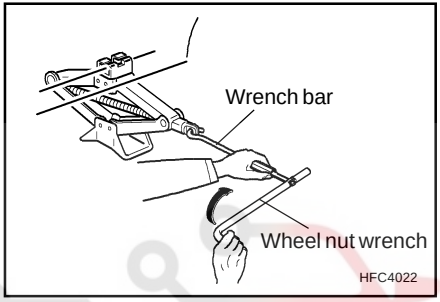
4. Put the Jack in Place



The base of the jack should be placed on firm, level ground. The jack should be positioned as shown in the drawing.

D060F02E-AAT

5. Raising the Car



After inserting a wrench bar into the wheel nut wrench, install the wrench bar into the jack as shown in the drawing. To raise the vehicle, turn the wheel nut wrench clockwise. As the jack begins to raise the vehicle, double check that it is properly positioned and will not slip. If the jack is on soft ground or sand, place a board, brick, flat stone or other object under the base of the jack to keep it from sinking.

Raise the car high enough so that the fully inflated spare tire can be installed. To do this, you will need more ground clearance than is required to remove the flat tire.

WARNING:

Do not get under the car when it is supported by the jack! This is very dangerous as the vehicle could fall and cause serious injury or death. No one should stay in the car while the jack is being used.

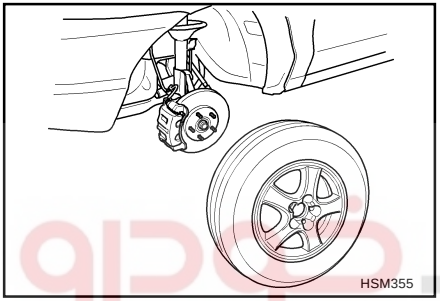
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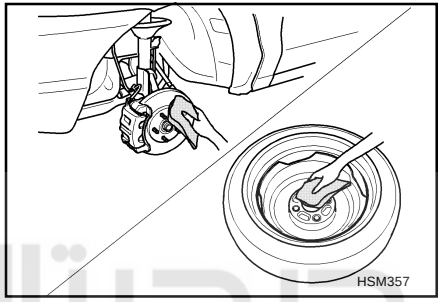
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6. Changing Wheels



Use the wrench to loosen the wheel nuts, then remove them with your fingers. Remove the wheel cover (if installed) from the wheel and slide the wheel off the studs and lay it flat so it cannot roll away. To put the wheel on the hub, pick up the spare tire, line up the holes with the studs and slide the wheel onto them. If this is difficult, tip the wheel slightly and get the top hole in the wheel lined up with the top stud. Then jiggle the wheel back and forth until the wheel can be slid over the other studs.

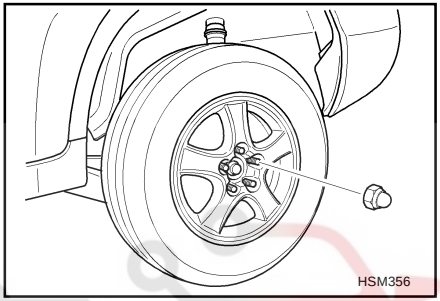


WARNING:
Wheel covers may have sharp edges. Handle them carefully to avoid possible severe injury.

Before putting the wheel into place, be sure that there is nothing on the hub or wheel (such as mud, tar, gravel, etc.) that interferes with the wheel fitted solidly against the hub. If there is, remove it. If there is not good contact on the mounting surface between the wheel and hub, the wheel nuts could come loose and cause the loss of a wheel. Loss of a wheel may result in loss of control of the vehicle. This may cause serious injury or death.

D060H01O-AAT

7. Re-install Wheel Nuts



To re-install the wheel cover, hold it on the studs, put the wheel nuts on the studs and tighten them finger tight. The nuts should be installed with their small diameter ends directed inward. Jiggle the tire to be sure it is completely seated, then tighten the nuts as much as possible with your fingers again.

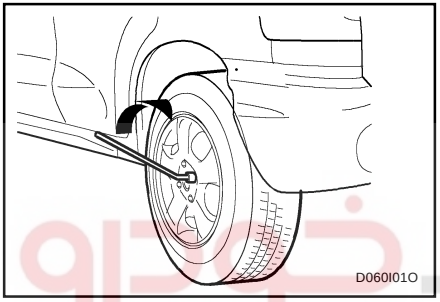
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8. Lower Vehicle and Tighten Nuts

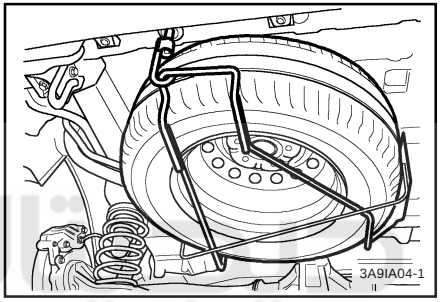


Lower the car to the ground by turning the wheel nut wrench counterclockwise. Then position the wrench as shown in the drawing and tighten the wheel nuts. Be sure the socket is seated completely over the nut. Do not stand on the wrench handle or use an extension pipe over the wrench handle.
Go around the wheel tightening every other nut until they are all tight. Then double-check each nut for tightness. After changing wheels, have a technician tighten the wheel nuts to their proper torque as soon as possible.

Wheel nut tightening torque:
Steel wheel & aluminium alloy wheel:
900-1,100 kg.cm (65-80 lb.ft)

D060J01O-AAT

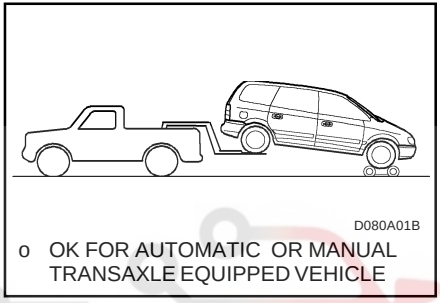
AFTER CHANGING WHEELS



If you have a tire gauge, remove the valve cap and check the air pressure. If the pressure is lower than recommended, drive slowly to the nearest service station and inflate to the correct pressure. If it is too high, adjust it until it is correct. Always reinstall the valve cap after checking or adjusting tire pressure. If the cap is not replaced, air may leak from the tire. If you lose a valve cap, buy another and install it as soon as possible.
After you have changed wheels, always secure the flat tire in its place and return the jack and tools to their proper storage locations.

D080A01A-AAT

IF YOUR CAR MUST BE TOWED



o OK FOR AUTOMATIC OR MANUAL TRANSAXLE EQUIPPED VEHICLE

CAUTION:
Your car can be damaged if towed incorrectly!

If your car has to be towed, it should be done by your Hyundai dealer or a commercial tow truck service. This will help assure that your car is not damaged in towing. Also, professionals are generally aware of state and local laws governing towing. In any case, rather than risk damage to your car, it is suggested that you show this information to the tow truck operator. Be sure that a safety chain system is used and that all state and local laws are observed.

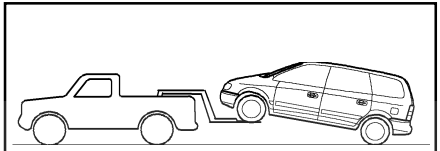
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TOWING A CAR WITH MANUAL TRANSAXLE



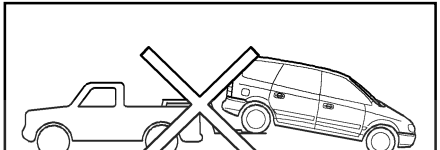
D080B01B

o OK FOR AUTOMATIC OR MANUAL TRANSAXLE EQUIPPED VEHICLE WITH NO DAMAGE

- o If the car is being towed with the rear wheels on the ground, be sure the parking brake is released.
- o If the car is being towed with the front wheels on the ground, be sure that the transaxle is in neutral. Also, be sure that the ignition key is in the "ACC" position. This is necessary to prevent damage to the steering lock mechanism, which is not designed to hold the front wheels straight while the car is being towed.
- o If any of the loaded wheels or suspension components are damaged, a towing dolly must be used.

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TOWING A CAR WITH AUTOMATIC TRANSAXLE



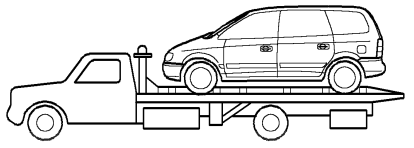
D080C01B

o NOT OK FOR AUTOMATIC TRANSAXLE EQUIPPED VEHICLE
o OK FOR MANUAL TRANSAXLE

CAUTION:

A car with an automatic transaxle should never be towed from the rear with the front wheels on the ground. This can cause serious damage to the transaxle. If the car must be towed from the rear, a towing dolly must be used under the front wheels.

If the car is being towed with the rear wheels on the ground, be sure the parking brake is released.



D080C02B

o OK FOR AUTOMATIC OR MANUAL TRANSAXLE EQUIPPED VEHICLE

NOTE:

Before towing, check the level of the transaxle fluid. If it is below the "HOT" range on the dipstick, add fluid. If you cannot add fluid, a towing dolly must be used.

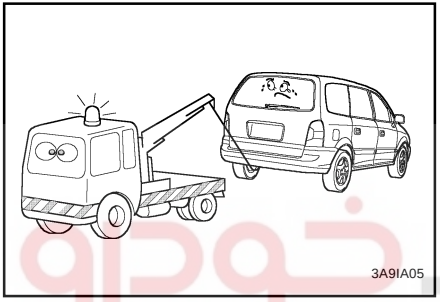
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D080D02A-AAT

EMERGENCY TOWING



For emergency towing when no commercial tow vehicle is available, attach a tow cable, chain or strap to one of the tie-down hooks under the front of your car. Do not attempt to tow your vehicle in this manner on any unpaved surface. This could result in serious damage to your car.
Nor should it be attempted if the wheels, drive train, axles, steering or brakes are damaged. Before towing, be sure the transaxle is in neutral and the key is in "ACC" (with the engine off) or in the "ON" position (with the engine running). A driver must be in the towed car to steer it and operate the brakes.

CAUTION:
If the car is being towed with all four wheels on the ground, it can be towed only from the front. Be sure that the transaxle is in neutral. Do not tow at speeds greater than 50 km/h (30 mph) and for more than 25 km (15 miles). Be sure the steering is unlocked by placing the key in the "ACC" position. A driver must be in the towed vehicle to operate the steering and brakes.

D120A01A-GAT

IF YOU LOSE YOUR KEYS

If you lose your keys, many Hyundai dealers can make you a new key if you have your key number. If you lock the keys inside your car and you cannot obtain a new key, many Hyundai dealers can use special tools to open the door for you. Information about the key of immobilizer system (if installed) will be found on page 1-3.

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4. CORROSION PREVENTION & APPEARANCE CARE

E010A01A-AAT

CORROSION PROTECTION

Protecting Your Hyundai from Corrosion

By using the most advanced design and construction practices to combat corrosion, Hyundai produces cars of the highest quality, however, this is only part of the job. To achieve the long-term corrosion resistance your Hyundai can deliver, the owner's cooperation and assistance is also required.

E010B01A-AAT

Common Causes of Corrosion

The most common causes of corrosion on your car are:

- o Road salt, dirt and moisture that is allowed to accumulate underneath the car.
- o Removal of paint or protective coatings by stones, gravel, abrasion or minor scrapes and dents which leave unprotected metal exposed to corrosion.

E010C01A-AAT

High-Corrosion Areas

If you live in an area where your car is regularly exposed to corrosive materials, corrosion protection is particularly important. Some of the common causes of accelerated corrosion are road salts, dust control chemicals, ocean air and industrial pollution.

E010D01A-AAT

Moisture Breeds Corrosion

Moisture creates the conditions in which corrosion is most likely to occur. For example, corrosion is accelerated by high humidity, particularly when temperatures are just above freezing. In such conditions, the corrosive material is kept in contact with the car surfaces by moisture that is slow to evaporate.

Mud is a particular enemy of corrosion protection because it is slow to dry and holds moisture in contact with the vehicle. Even though the mud appears to be dry, it can still retain the moisture and promote corrosion.

High temperatures can also accelerate corrosion of parts that are not properly ventilated so the moisture can be dispersed. For all these reasons, it is particularly important to keep your car clean and free of mud or accumulations of other materials. This applies not only on the visible surfaces but particularly to the underside of the car.

E020A01A-AAT

TO HELP PREVENT CORROSION

You can help prevent corrosion from getting started by observing the following:

E020B01A-AAT

Keep Your Car Clean

The best way to prevent corrosion is to keep your car clean and free of corrosive materials. Attention to the underside of the car is particularly important.

- o If you live in a high-corrosion area — where road salts are used, near the ocean, areas with industrial pollution, acid rain, etc.—, you should take extra care to prevent corrosion. In winter, hose off the underside of your car at least once a month and be sure to clean the underside thoroughly when winter is over.
- o When cleaning underneath the car, give particular attention to the components under the fenders and other areas that are hidden from view. Do a thorough job; just dampening the accumulated mud rather than washing it away will accelerate corrosion rather than prevent it. Water under high pressure and steam are particularly effective in removing accumulated mud and corrosive materials.
- o When cleaning lower door panels, rocker panels and frame members, be sure that drain holes are kept open so that moisture can escape and not be trapped inside to accelerate corrosion.

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Keep Your Garage Dry

Don't park your car in a damp, poorly ventilated garage. This creates a favorable environment for corrosion. This is particularly true if you wash your car in the garage or drive it into the garage when it is still wet or covered with snow, ice or mud. Even a heated garage can contribute to corrosion unless it is well ventilated so moisture is dispersed.

E020D01A-AAT

Keep Paint and Trim in Good Condition

Scratches or chips in the finish should be covered with "touch-up" paint as soon as possible to reduce the possibility of corrosion. If bare metal is showing through, the attention of a qualified body and paint shop is recommended.

E020E01A-AAT

Don't Neglect the Interior

Moisture can collect under the floor mats and carpeting to cause corrosion. Check under the mats periodically to be sure the carpeting is dry. Use particular care if you carry fertilizers, cleaning materials or chemicals in the car.
These should be carried only in proper containers and any spills or leaks should be cleaned up, flushed with clear water and thoroughly dried.

E030A01A-AAT

WASHING AND WAXING

Washing Your Hyundai

Never wash your car when the surface is hot from being in the sun. Always wash your car in the shade.

Wash your car frequently. Dirt is abrasive and can scratch the paint if it is not removed. Air pollution or acid rain may damage the paint and trim through chemical action if pollutants are allowed to remain in contact with the surface. If you live near the ocean or in an area where road salts or dust control chemicals are used, you should pay particular attention to the underside of the car. Start by rinsing the car to remove dust and loose dirt. In winter, or if you have driven through mud or muddy water, be sure to thoroughly clean the underside as well. Use a hard direct stream of water to remove accumulations of mud or corrosive materials. Use a good quality car-washing solution and follow the manufacturer's directions on the package. These are available at your Hyundai dealer or auto parts outlet. Don't use strong household detergents, gasoline, strong solvents or abrasive cleaning powders as these may damage the finish.
Use a clean sponge or cloth, rinse it frequently and don't damage the finish by rubbing too hard. For stubborn spots, dampen them frequently and remove them a little at a time.
To clean whitewall tires, use a stiff brush or soap-impregnated steel-wool scouring pad.

To clean plastic wheel covers, use a clean sponge or soft cloth and water.

To clean cast aluminum alloy wheels, use a mild soap or neutral detergent. Do not use abrasive cleaners. Protect the bare-metal surfaces by cleaning, polishing and waxing. Because aluminum is subject to corrosion, be sure to give aluminum alloy wheels special attention in winter. If you drive on salted roads, clean the wheels thoroughly afterwards.

After washing, be sure to rinse thoroughly. If soapy water dries on the finish, streaking will result.

When the weather is warm and the humidity low, you may find it necessary to rinse each section immediately after washing to avoid streaking.

After rinsing, dry the car using a damp chamois or soft, absorbent cloth. The reason for drying the car is to remove water from the car so it will dry without water spots. Don't rub, this can damage the finish.

If you find any nicks or scratches in the paint, use touch-up paint to cover them to prevent corrosion. To protect the paintwork of the car against corrosion, you must clean your Hyundai (at least once a month). Give special attention to the removal of salt, mud and other substances on the underside of the splashboards of the car.

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Make sure that the outlets and the underside of the doors are open. Paint damage can be caused by small accumulation of tar, industrial precipitation, tree resin, insects and bird droppings, when not removed immediately. If water alone is not strong enough to remove the accumulated dirt, use a mild car washing solution. Be sure to rinse the surface after washing to remove the solution. Never allow the solution to dry on the painted surfaces.

E030B01A-AAT

Spot Cleaning

Don't use gasoline, strong solvents or corrosive cleaning agents. These can damage the finish of the car. To remove road tar, use turpentine on a clean, soft cloth. Be gentle.
To remove dead insects or tree sap, use warm water and mild soap or car-washing solution. Soak the spot and rub gently. If the paint has lost its luster, use a commercial car-cleaning polish.

E030C01A-AAT

Polishing and Waxing

Always wash and dry the car before polishing or waxing or using a combination cleaner and wax. Use a good quality commercial product and follow the manufacturer's directions on the container. Polish and wax the bright trim pieces as well as the paint.

E030D01A-AAT

When to Wax Again

You should polish and wax the car again when water no longer beads on a clean surface but spreads out over a larger area.

E030E01A-AAT

Maintaining Bumpers

Special precautions must be observed to preserve the appearance of the bumpers on your Hyundai. They are:

- Be careful not to spill battery electrolyte or hydraulic brake fluid on the bumpers. If you do, wash it off immediately with clear water.
- Be gentle when cleaning the bumper surfaces. They are made of soft plastic and the surface can be damaged if mistreated. Do not use abrasive cleaners. Use warm water and mild soap or car-washing solution.
- Do not expose the bumpers to high temperatures. For example, if you have your car repainted, do not leave the bumpers on the car if the car is going to be placed in a high-temperature paint booth.

E040A01A-AAT

CLEANING THE INTERIOR

To Clean the Vinyl Upholstery

To clean the vinyl upholstery, first remove loose dirt and dust with a vacuum cleaner. Then apply a solution of mild soap or detergent and water using a clean sponge or soft cloth. Allow this to stay on the surface to loosen the dirt, then wipe with a clean damp sponge or cloth. If all the dirt stains are not removed, repeat this procedure until the upholstery is clean. Do not use gasoline, solvent, paint thinner or other strong cleaners.

E040B01A-AAT

To Clean the Leather Upholstery (If installed)

In the normal course of use, leather upholstered surfaces will, like any material, pick-up dust and dirt. This dust and dirt must be cleaned off or it may work into the surface of the leather, causing damage.

Fine leather needs care, and should be cleaned when necessary. Washing leather thoroughly with soap and water will keep your leather lustrous, beautiful and ensure you have many years of wear.
Take a piece of cheese cloth and using any mild soap and lukewarm water, work up a good lather. Thoroughly wash the leather. Wipe clean with a slightly damp cloth and dry with soft cloth. Do this as often as the leather becomes soiled.

During tanning operations, sufficient oils are incorporated through processing that none need be applied during the life of the leather. Oil applied to the finished surface will in no way help the leather and may do more harm than good.

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Varnishes and furniture polishes should never be used under any conditions.

E040C01A-AAT

Cleaning the Carpets

Use a foam-type carpet cleaner. Cleaners of this type are available in aerosol cans in liquid form or powder. Read the instructions and follow them exactly. Using a vacuum cleaner with the appropriate attachment, remove as much dirt from the carpets as possible. Apply the foam following the manufacturer's directions, then rub in overlapping circles. Do not add water. These cleaners work best when the carpet is kept as dry as possible.

E040D01A-AAT

Cleaning the Seat Belts

To clean the seat belts, use a cloth or sponge with mild soap or detergent and warm water. Do not use strong detergents, dye, bleach or abrasive materials on the seat belts as this may weaken the fabric.
While cleaning the belts, inspect them for excessive wear, cuts, fraying or other signs of damage and replace them if necessary.

E040E01A-AAT

Cleaning the Windows

You may use any household window cleaner on the windows. However, when cleaning the inside of the rear window be careful not to damage the rear window defroster wiring.

E050A01A-AAT

Any Questions?

If you have any questions about the care of your car, consult your Hyundai dealer.

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5. VEHICLE MAINTENANCE REQUIREMENTS

F010A01A-GAT

MAINTENANCE AND SERVICE REQUIREMENTS

To assure that you receive the greatest number of kilometers of satisfying operation from your Hyundai, certain maintenance procedures must be performed. Although careful design and engineering have reduced these to a minimum, those that are required are of the utmost importance.

It is your responsibility to have these maintenance procedures performed to comply with the terms of the warranties covering your new Hyundai. The Service Passport supplied with your new vehicle provides further information about these warranties.

F010B01A-AAT

Maintenance Requirements

The maintenance required for your Hyundai can be divided into three main areas:

- o Specified scheduled procedures
- o General checks
- o Do-it-yourself maintenance

F010C01A-GAT

Specified Scheduled Procedures

These are the procedures such as inspections, adjustments and replacements that are listed in the maintenance charts starting on page 5-5. These procedures must be performed at the intervals shown in the maintenance schedule to assure that your warranty remains in effect. Although it is strongly recommended that they be performed by the factory-trained or distributor-trained technicians at your Hyundai dealer, these procedures may be performed at any qualified service facility.

It is suggested that genuine Hyundai service parts be used for any required repairs or replacements. Other parts of equivalent quality such as engine oil, engine coolant, manual or auto transaxle oil, brake fluid and so on which are not supplied by Hyundai Motor Company or its distributor may be used without affecting your warranty coverage but you should always be sure these are equivalent to the quality of the original Hyundai parts. Your Service Passport provides further information about your warranty coverage.

F010D01A-AAT

General Checks

These are the regular checks you should perform each time when you drive your Hyundai or you fill the fuel tank. A list of these items will be found on page 6-4.

F010E01A-AAT

Do-It-Yourself Maintenance

If you are mechanically inclined, own a few tools that are required and want to take the time to do so, you can inspect and service a number of items. For more information about doing it yourself, see Section 6.

F010F01A-AAT

A Few Tips

- o Whenever you have your Hyundai serviced, keep copies of the service records in your glovebox. This will help ensure that you can document that the required procedures have been performed to keep your warranties in effect. This is especially important when service is not performed by an authorized Hyundai dealer.
- o If you choose to do your own maintenance and repairs, you may find it helpful to have an official Hyundai Shop Manual. A copy of this publication may be purchased at your Hyundai dealer's parts department.

F020A01Y-GAT

SCHEDULED MAINTENANCE REQUIREMENTS

Inspection should be performed any time a malfunction is experienced or suspected. Receipts for all emission control system services should be retained to demonstrate compliance with conditions of the emissions system warranty.

For severe usage maintenance requirements, see page 5-5 of this section.

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SCHEDULED MAINTENANCE

The following maintenance services must be performed to assure good vehicle control and performance. Keep receipts for all vehicle services to protect your warranty. Where both mileage and time are shown, the frequency of service is determined by whichever occurs first.

F030B04B-GAT

R :Replace I : Inspect and, after Inspection, clean, adjust, repair or replace if necessary.

NO.	DESCRIPTION	KILOMETERS X 1000	15	30	45	60	75	90	105	120
		MONTHS	12	24	36	48	60	72	84	96
	ENGINE CONTROL SYSTEM MAINTENANCE (GASOLINE)									
1	ENGINE OIL & FILTER (SG OR ABOVE)	See Note (1)	R	R	R	R	R	R	R	R
2	DRIVE BELT	2.0 DOHC (ALT, W/PUMP, P/STR'G)		I		R		I		R
		2.7 V6 (AUTO-TENSIONER, ALT, P/STRG, A/CON)	I	I	I	I	I	I	I	R
3	FUEL FILTER (MPI TYPE)					R				R
4	FUEL LINE, FUEL HOSES & CONNECTIONS		I	I	I	I	I	I	I	I
5	TIMING BELT					I		R		
6	VAPOR HOSE & FUEL FILLER CAP			I		I		I		I
7	VACUUM & CRANKCASE VENTILATION HOSES			I		I		I		I
8	AIR CLEANER FILTER		I	R	I	R	I	R	I	R
9	SPARK PLUGS			I	R		I	R		I
	SPARK PLUGS (PLATINUM COATED)							R		

Note: (1) SF OR LOWER: EVERY 10,000 KM OR 6 MONTHS : "R"

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F030D02B-GAT

R :Replace I : Inspect and, after Inspection, clean, adjust, repair or replace if necessary.

NO.	DESCRIPTION		KILOMETERS X 1000	15	30	45	60	75	90	105	120
			MONTHS	12	24	36	48	60	72	84	96
	ENGINE CONTROL SYSTEM MAINTENANCE (DIESEL)										
1	ENGINE OIL & FILTER (API Class: CF-4 or ABOVE) See Note(1) (ACEA Class: B4 or ABOVE)			R	R	R	R	R	R	R	R
2	AIR CLEANER FILTER			I	I	R	I	I	R	I	I
3	FUEL FILTER CARTRIDGE	European Community Only			R		R		R		R
		Except European Community		See Note (2)							
4	TIMING BELT										R
5	DRIVE BELT (FOR P/STR'G PUMP, ALTERNATOR & A/CON)				I		I		R		I
6	ALTERNATOR VACUUM PUMP			I	I	I	I	I	I	I	I
7	ALTERNATOR OIL HOSE & VACUUM HOSE			I	I	I	I	I	I	I	I
8	FUEL LINES, FUEL HOSE & CONNECTIONS			I	I	I	I	I	I	I	I

Note :(1)EVERY 500 KM OR BEFORE STARTING A LONG TRIP : "I"
(2)INSPECT EVERY 7,500KM OR 6 MONTHS AND REPLACE EVERY 15,000KM OR 12 MONTHS.
WHEN REPLACING THE FUEL FILTER CARTRIDGE, USE HYUNDAI GENUINE PARTS.

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F030C01B-GAT

R : Replace I : Inspect and, after inspection, clean, adjust, repair or replace if necessary

NO.	DESCRIPTION		KILOMETERS X 1000	15	30	45	60	75	90	105	120
			MONTHS	12	24	36	48	60	72	84	96
	GENERAL MAINTENANCE										
1	COOLING SYSTEM			I	I	I	I	I	I	I	I
2	COOLANT	Gasoline Engine		See Note (1)							
		Diesel Engine			R		R		R		R
3	MANUAL TRANSAXLE OIL			I	I	I	I	I	I	I	I
4	AUTOMATIC TRANSAXLE FLUID AND FILTER	European Community Only		I	I	I	I	I	R	I	I
		Except European Community		I	I	I	I	I	I	I	I
5	BRAKE HOSES AND LINES			I	I	I	I	I	I	I	I
6	BRAKE FLUID				I		I		I		I
7	REAR BRAKE DRUMS/LININGS, PARKING BRAKE				I		I		I		I
8	BRAKE PADS, CALIPERS AND ROTORS			I	I	I	I	I	I	I	I
9	EXHAUST PIPE AND MUFFLER			I	I	I	I	I	I	I	I
10	SUSPENSION MOUNTING BOLTS			I	I	I	I	I	I	I	I
11	STEERING GEAR BOX, LINKAGE & BOOTS/ LOWER ARM BALL JOINT, UPPER ARM BALL JOINT			I	I	I	I	I	I	I	I
12	POWER STEERING PUMP AND HOSES			I	I	I	I	I	I	I	I
13	DRIVE SHAFTS AND BOOTS				I		I		I		I
14	AIR CONDITIONING REFRIGERANT			I	I	I	I	I	I	I	I
15	AIR FILTER (FOR EVAPORATOR AND BLOWER UNIT)			See Note (2)							

Note : (1) FOR EVERY 24 MONTHS OR 45,000 KM, WHICHEVER OCCURS FIRST : "R"
(2) FOR EVERY 12 MONTHS OR 20,000 KM, WHICHEVER OCCURS FIRST : "R"

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MAINTENANCE UNDER SEVERE USAGE CONDITIONS

The following items must be serviced more frequently on cars normally used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

R : Replace I : Inspect and, after inspection, clean, adjust, repair or replace if necessary

MAINTENANCE ITEM		MAINTENANCE OPERATION	MAINTENANCE INTERVALS	DRIVING CONDITION
ENGINE OIL AND FILTER		R	EVERY 7,500 KM OR 6 MONTHS	A, B, C, F, H
AIR CLEANER FILTER		R	MORE FREQUENTLY	C, E
SPARK PLUGS		R	MORE FREQUENTLY	B, H
TIMING BELT		R	EVERY 60,000 KM OR 48 MONTHS	D, E, F, G
BRAKE PADS, CALIPERS AND ROTORS		I	MORE FREQUENTLY	C, D, G, H
REAR BRAKE DRUMS/LININGS, PARKING BRAKE		I	MORE FREQUENTLY	C, D, G, H
STEERING GEAR BOX, LINKAGE & BOOTS/ LOWER ARM BALL JOINT, UPPER ARM BALL JOINT		I	MORE FREQUENTLY	C, D, E, F
DRIVESHAFTS AND BOOTS		I	EVERY 15,000 KM OR 12 MONTHS	C, D, E, F
MANUAL TRANSAXLE OIL		R	EVERY 100,000 KM	A, C, D, E, F, G, H, I, J
AUTOMATIC TRANSAXLE FLUID AND FILTER	European Community Only	R	EVERY 45,000 KM	A, C, E, F, G, H, I
	Except European Community		EVERY 40,000 KM	
AIR FILTER (For Evap. & Blower Unit)		R	MORE FREQUENTLY	C, E

SEVERE DRIVING CONDITIONS

A - Repeated short distance driving
B - Extensive idling
C - Driving in dusty, rough roads
D - Driving in areas using salt or other corrosive materials or in very cold weather
E - Driving in sandy areas
F - More than 50% driving in heavy city traffic during hot weather above 32°C (90°F)
G - Driving in mountainous areas
H - Towing a trailer
I - Driving as a patrol car, taxi or other commercial use and vehicle towing
J - Driving over 170 km/h

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F060A01A-AAT

EXPLANATION OF SCHEDULED MAINTENANCE ITEMS

F060M01A-AAT

o Engine Oil and Filter

The engine oil and filter should be changed at the intervals specified in the maintenance schedule. If the car is being driven in severe conditions, more frequent oil and filter changes are required.

F060B01A-AAT

o Drive Belts

Inspect all drive belts for evidence of cuts, cracks, excessive wear or oil saturation and replace if necessary. Drive belts should be checked periodically for proper tension and adjusted as necessary.

F060C01A-AAT

o Fuel Filter

A clogged filter can limit the speed at which the vehicle may be driven, damage the emission system and cause hard starting. If an excessive amount of foreign matter accumulates in the fuel tank, the filter may require replacement more frequently.

After installing a new filter, run the engine for several minutes, and check for leaks at the connections. Fuel filters should be installed by trained technicians.

F060D01TB-GAT

o Fuel Lines, Fuel Hoses and Connections

Check the fuel lines, fuel hoses and connections for leakage and damage. Have a trained technician replace any damaged or leaking parts immediately.

WARNING (Diesel only):

Never work on injection system with engine running or within 30 seconds after shutting off engine. High pressure pump, rail, injectors and high pressure pipes are subjected to high pressure even after the engine has been switched off. The fuel jet produced by fuel leaks may cause serious injury, if it contacts with the body. People using pacemakers should not move closer than 30cm to the ECU or wiring harness within the engine room with the engine running, since the high currents in the Common Rail system produce considerable magnetic fields.

F060E01A-AAT

o Timing Belt

Inspect all parts related to the timing belt for damage and deformation. Replace any damaged parts immediately.

F060G01A-AAT

o Vapor Hose and Fuel Filler Cap

The vapor hose and fuel filler cap should be inspected at those intervals specified in the maintenance schedule. Make sure that a new vapor hose or fuel filler cap is correctly replaced.

F060F01A-AAT

o Vacuum, Crankcase Ventilation Hoses

Inspect the surface of hoses for evidence of heat and/or mechanical damage. Hard and brittle rubber, cracking, tears, cuts, abrasions, and excessive swelling indicate deterioration. Particular attention should be paid to examining those hose surfaces nearest to high heat sources, such as the exhaust manifold.

Inspect the hose routing to assure that the hoses do not come in contact with any heat source, sharp edges or moving component which might cause heat damage or mechanical wear. Inspect all hose connections, such as clamps and couplings, to make sure they are secure, and that no leaks are present. Hoses should be replaced immediately if there is any evidence of deterioration or damage.

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F060H01A-AAT

o Air Cleaner Filter

A Genuine Hyundai air cleaner filter is recommended when the filter is replaced.

F060J01A-AAT

o Spark Plugs (For Gasoline Engine)

Make sure to install new spark plugs of the correct heat range.

F070B01A-GAT

o Cooling System

Check the cooling system part, such as radiator, coolant reservoir, hoses and connections for leakage and damage. Replace any damaged parts.

F070C01A-AAT

o Coolant

The coolant should be changed at the intervals specified in the maintenance schedule.

F070D01A-AAT

o Manual Transaxle Oil

Inspect the manual transaxle oil according to the maintenance schedule.

NOTE:
If the oil level is low, check for possible leaks before adding oil. Do not overfill.

F070E03A-AAT

o Automatic Transaxle Fluid and Filter

The fluid level should be in the "HOT" range of the dipstick, after the engine and transaxle are at normal operating temperature. Check the automatic transaxle fluid level with the engine running and the transaxle in neutral, with the parking brake properly applied. Use DIAMOND ATF SP-III or SK ATF SP-III when adding or changing fluid.

F070F01A-AAT

o Brake Hoses and Lines

Visually check for proper installation, chafing, cracks, deterioration and any leakage. Replace any deteriorated or damaged parts immediately.

F070G02A-AAT

o Brake Fluid

Check brake fluid level in the brake fluid reservoir. The level should be between "MIN" and "MAX" marks on the side of the reservoir. Use only hydraulic brake fluid conforming to DOT 3 or DOT 4.

F070H01A-AAT

o Rear Brake Drums and Linings/ Parking Brake

Check the rear brake drums and linings for scoring, burning, leaking fluid, broken parts, and excessive wear. Inspect the parking brake system including the parking brake lever and cables. For detailed service procedures, refer to the Shop Manual.

F070J01A-AAT

o Brake Pads, Calipers and Rotors

Check the pads for excessive wear, discs for run out and wear, and calipers for fluid leakage.

F070K01A-AAT

o Exhaust Pipe and Muffler

Visually inspect the exhaust pipes, muffler and hangers for cracks, deterioration, or damage. Start the engine and listen carefully for any exhaust gas leakage. Tighten connections or replace parts as necessary.

F070L01A-AAT

o Suspension Mounting Bolts

Check the suspension connections for looseness or damage. Retighten to the specified torque.

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F070M01Y-AAT

o Steering Gear Box, Linkage & Boots/ Lower Arm Ball Joint, Upper Arm Ball Joint

With the vehicle stopped and engine off, check for excessive free-play in the steering wheel. Check the linkage for bends or damage. Check the dust boots and ball joints for deterioration, cracks, or damage. Replace any damaged parts.

F070N01A-AAT

o Power Steering Pump, Belt and Hoses

Check the power steering pump and hoses for leakage and damage. Replace any damaged or leaking parts immediately. Inspect the power steering belt for evidence of cuts, cracks, excessive wear, oiliness and proper tension. Replace or adjust it if necessary.

F070P01A-AAT

o Driveshafts and Boots

Check the drive shafts, boots and clamps for cracks, deterioration, or damage. Replace any damaged parts and, if necessary, repack the grease.

F070Q01A-AAT

o Air Conditioning Refrigerant

Check the air conditioning lines and connections for leakage and damage. Check air conditioning performance according to the relevant shop manual if necessary.

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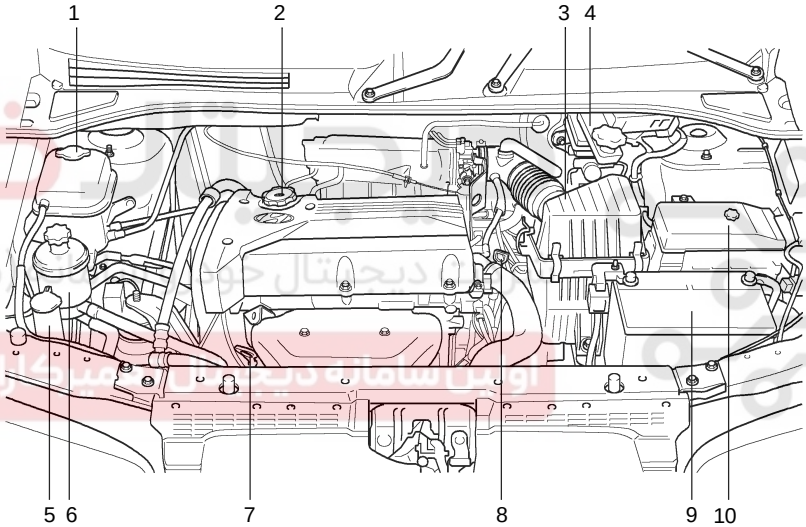
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6. DO-IT-YOURSELF MAINTENANCE

G010A02B-GAT

GASOLINE ENGINE COMPARTMENT (2.0 DOHC)



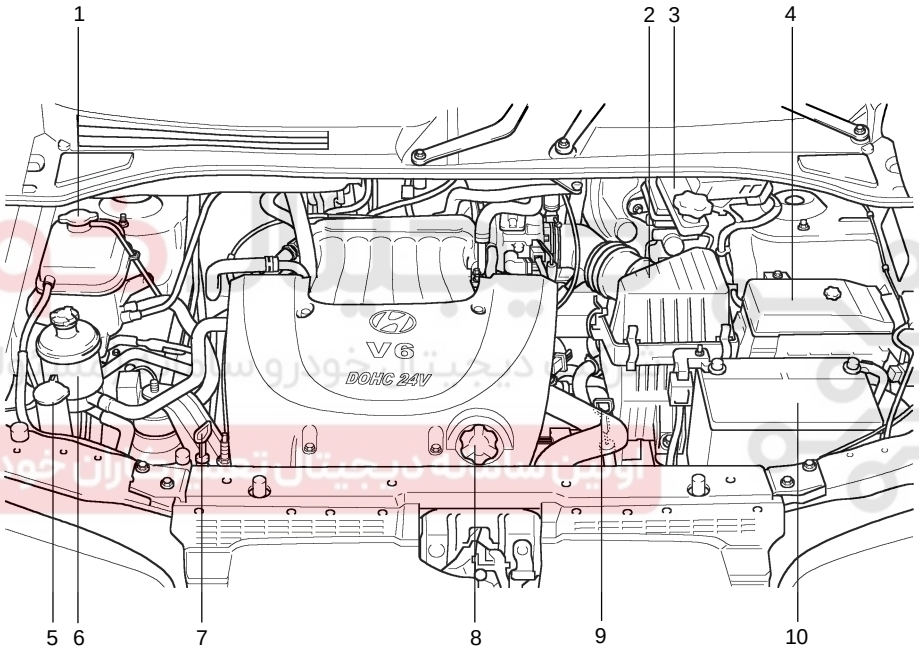
3A9GA02-2

1. Radiator cap
2. Engine oil filler cap
3. Air cleaner
4. Brake fluid reservoir
5. Windshield washer fluid reservoir
6. Power steering fluid reservoir
7. Engine oil level dipstick
8. Automatic transaxle fluid level dipstick (Vehicle with Automatic Transaxle)
9. Battery
10. Fuse and relay box

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GASOLINE ENGINE COMPARTMENT (2.7 V6)



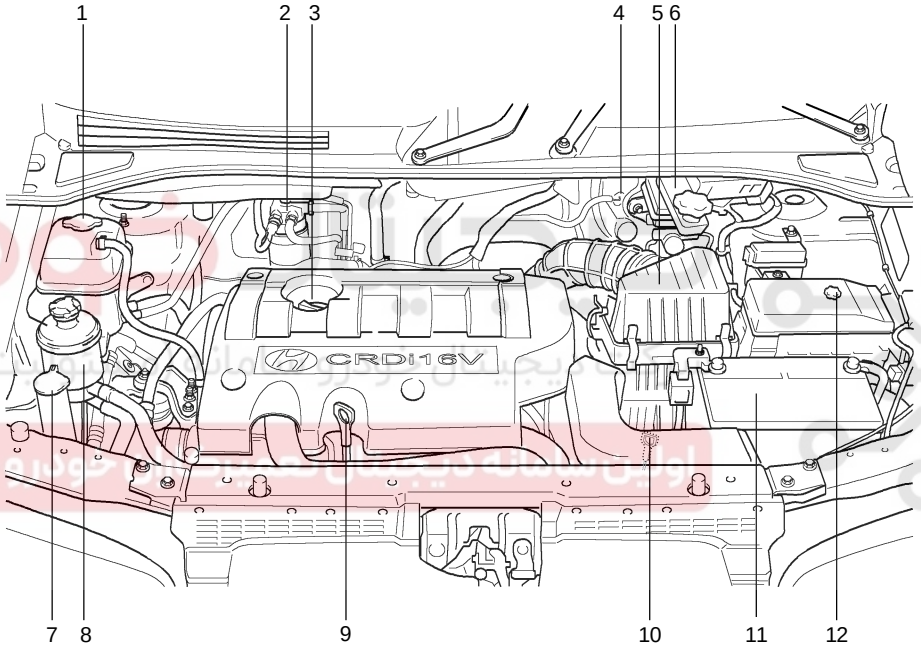
1. Radiator cap
2. Air cleaner
3. Brake fluid reservoir
4. Fuse and Relay box
5. Windshield washer fluid reservoir
6. Power steering fluid reservoir
7. Engine oil level dipstick
8. Engine oil filler cap
9. Auto transaxle fluid level dipstick (Vehicle with Automatic Transaxle)
10. Battery

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G010C01B-GAT

DIESEL ENGINE COMPARTMENT (2.0 CRDi)



HFO-001-1

1. Radiator cap
2. Fuel filter
3. Engine oil filler cap
4. Brake booster
5. Air cleaner
6. Clutch and Brake fluid reservoir
7. Windshield washer fluid reservoir
8. Power steering fluid reservoir
9. Engine oil level dipstick
10. Auto transaxle Fluid level dipstick (Vehicle with Automatic Transaxle)
11. Battery
12. Fuse and relay box

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GENERAL CHECKS

Engine Compartment

The following should be checked regularly:

- o Engine oil level and condition
- o Transaxle fluid level and condition
- o Brake fluid level
- o Clutch fluid level
- o Engine coolant level
- o Windshield washer fluid level
- o Accessory drive belt condition
- o Engine Coolant hose condition
- o Fluid leaks (on or below components)
- o Power steering fluid level
- o Battery condition
- o Air filter condition

G020B01A-AAT

Vehicle Exterior

The following should be checked monthly:

- o Overall appearance and condition
- o Wheel condition and wheel nut torque
- o Exhaust system condition
- o Light condition and operation
- o Windshield glass condition
- o Wiper blade condition
- o Paint condition and body corrosion
- o Fluid leaks
- o Door and hood lock condition
- o Tire pressure and condition (including spare tire)

G020C01A-AAT

Vehicle Interior

The following should be checked each time when the vehicle is driven:

- o Lights operation
- o Windshield wiper operation
- o Horn operation
- o Defroster, heating system operation (and air conditioning, if installed)
- o Steering operation and condition
- o Mirror condition and operation
- o Turn signal operation
- o Accelerator pedal operation
- o Brake operation, including parking brake
- o Manual transaxle operation, including clutch operation
- o Automatic transaxle operation, including "Park" mechanism operation
- o Seat control condition and operation
- o Seat belt condition and operation
- o Sunvisor operation

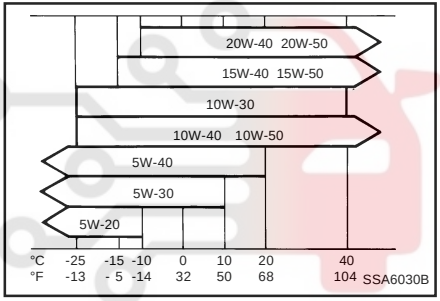
If you notice anything that does not operate correctly or appears to be functioning incorrectly, inspect it carefully and seek assistance from your Hyundai dealer if service is needed.

G030A01FC-GAT

CHECKING THE ENGINE OIL (Gasoline Engine)

Engine oil is essential to the performance and service of the engine. It is suggested that you check the oil level at least once a week in normal use and more often if you are on a trip or driving in severe conditions.

Recommended Oil



SH, SG or SG/CD (API) multi-grade and fuel efficient oil is recommended.

NOTE:

SAE 5W-20 is not recommended for sustained high speed vehicle operation.

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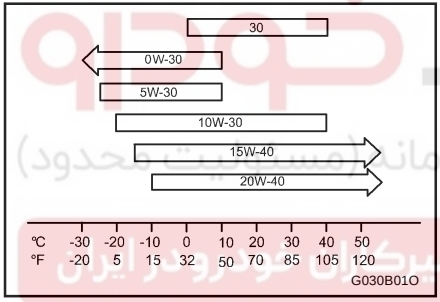
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G030B02FC-GAT

CHECKING THE ENGINE OIL (Diesel Engine)

Engine oil is essential to the performance and service of the engine. It is suggested that you check the oil level every 500km or before starting a long trip and more often if you are on a trip or driving in severe conditions.

Recommened Oil



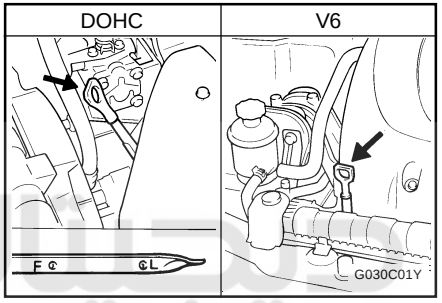
The engine oil quality should meet the following classification:

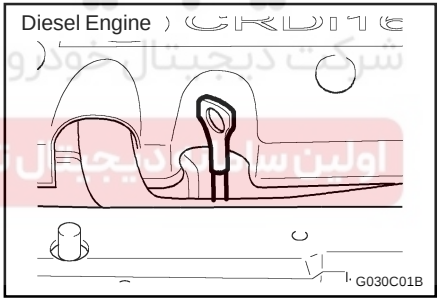
API class: CF-4 or ABOVE
ACEA class: B4 or ABOVE

NOTE:
SAE 0W-30 oil is for extra cold zone and to be restricted by driving condition and dealing area. (Especially, not recommended for sustained high loaded & high speed operation.)

G030C01FC-GAT

To Check the Oil Level



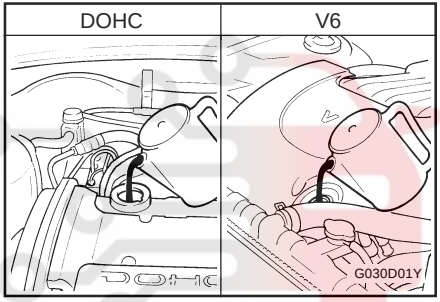


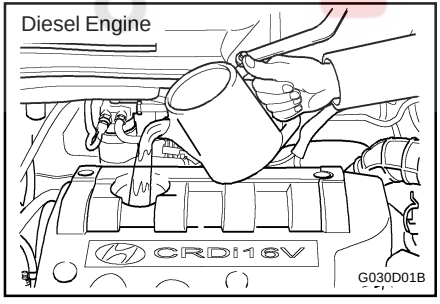
Before checking the oil, warm up the engine to the normal operating temperature and be sure your car is parked on level ground. Turn the engine off.

Wait about five minutes (gasoline engine) /Wait about two minutes (diesel engine), then remove the dipstick, wipe it off, fully reinsert the dipstick and withdraw it again. Then note the highest level the oil has reached on the dipstick. It should be between the upper ("FULL") and lower ("LOW") range.

G030D01O-GAT

Adding Oil





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If the oil level is close to or below the "L" mark, add oil until it reaches the "F" mark. To add oil:

1. Remove the oil filler cap by turning it counter-clockwise.
2. Add oil, then check the level again. Do not overfill.
3. Replace the cap by turning it clockwise.

The distance between the "F" and "L" marks is equal to about 1 liter(Gasoline Engine)/1.6 liter(Diesel Engine) of oil.

G350A01A-GAT

ENGINE OIL CONSUMPTION

Function of Engine Oil

Engine oil has the primary function of lubricating and cooling the inside of the engine.

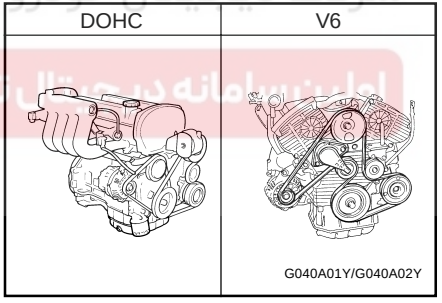
Engine oil consumption

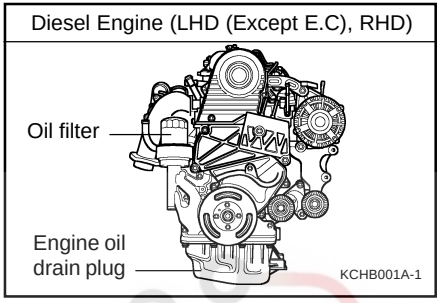
It is normal that an engine should consume some engine oil while normal driving. The cause of oil consumption in a normal engine are as follows;

- Engine oil is used to lubricate pistons, piston rings and cylinders.
  A thin film of oil is left on the cylinder wall when a piston moves downwards in the cylinder. High negative pressure generated during engine operation sucks some of the oil into the combustion chamber.
  This oil with some oil of the cylinder wall is burned by the high temperature combustion gases during the combustion process.
- The engine oil consumption is strongly effected by the viscosity and quality of oil, engine rpm and driving condition etc. The engine oil is more consumed under severe driving conditions such as high speeds and frequent acceleration and deceleration than normal driving condition.

G040A04A-AAT

CHANGING THE OIL AND FILTER (Gasoline Engine/ Diesel Engine : Left hand drive type(Except E.C), Right hand drive type)





The engine oil and filter should be changed at those intervals specified in the maintenance schedule in Section 5. If the car is being driven in severe conditions, more frequent oil and filter changes are required.

The procedure for changing the oil and filter is as follows:

1. Park the car on level ground and set the parking brake. Start the engine and let it warm up until the needle on the coolant temperature gauge moves above the lowest mark. Turn the engine off and place the gear selector lever in "P" (automatic) or reverse gear (manual transaxle).
2. Open the hood and remove the engine oil filler cap.
3. Slide underneath the car and loosen the drain plug by turning it counterclockwise with a wrench of the proper size. Be sure that a drain pan is in position to catch the oil as it drains out, then remove the drain plug.

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WARNING:
Be very careful when draining the engine oil as it may be hot enough to burn you!

4. When the oil has stopped draining, replace the drain plug using a new washer and retighten by turning it clockwise.

   Tightening torque : 3.5 ~ 4.5 kgf.m

5. Remove the oil filter by turning it counterclockwise with a oil filter wrench of the proper size. A certain amount of oil will come out when you remove the filter. So be sure to have your drain pan in place underneath it.
6. Install a new oil filter in accordance with the instructions on the carton or on the filter itself. Do not over-tighten.

   Tightening torque:
   Gasoline - 1.2 ~ 1.6 kgf.m
   Diesel(LHD(Except E.C), RHD) - 2.3 ~ 2.5 kgf.m

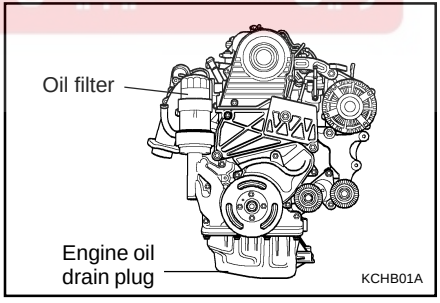
   Be sure that the mounting surface on the engine is clean and that the old gasket is removed completely. Lubricate the new gasket on the filter with clean engine oil before installation.
7. Refill the crankcase with the recommended engine oil. Refer to the specification in chapter 9 for engine oil capacity.
8. Start the engine and check to be sure no oil is leaking from the drain plug or oil filter.
9. Shut off the engine and recheck the oil level.

NOTE:
Always dispose of used engine oil in an environmentally acceptable manner. It is suggested that it be placed in a sealed container and taken to a service station for reclamation. Do not pour the oil on the ground or put it in with the household trash.

WARNING:
Used motor oil may cause irritation or cancer of the skin if left in contact with the skin for prolonged periods of time. Wash your hands thoroughly with soap and warm water as soon as possible after handling used oil.

G040B01O-GAT

CHANGING THE OIL AND FILTER (DIESEL ENGINE: Left hand drive type (E.C ONLY))



The engine oil and filter should be changed at those intervals specified in the maintenance schedule in Section 5. If the car is being driven in severe conditions, more frequent oil and filter changes are required.

The procedure for changing the oil and filter is as follows:

1. Park the car on level ground and set the parking brake. Start the engine and let it warm up until the needle on the coolant temperature gauge moves above the lowest mark. Turn the engine off and place the gear selector lever in "P" (automatic) or reverse gear (manual transaxle).
2. Open the hood and remove the engine oil filler cap.
3. Slide underneath the car and loosen the oil pan drain plug by turning it counterclockwise oil pan with a wrench of the proper size. Be sure that a drain pan is in position to catch the oil as it drains out, then remove the drain plug.

WARNING:
Be very careful when draining the engine oil as it may be hot enough to burn you!

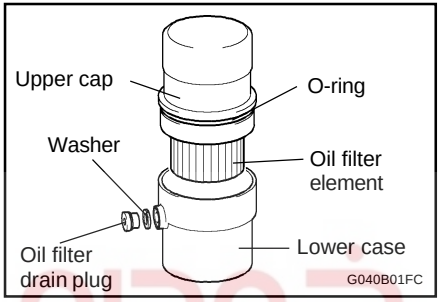
4. When the oil has stopped draining, replace the drain plug using a new washer and retighten by turning it clockwise.

   Oil pan drain plug tightening torque: 3.5 ~ 4.5 kgf.m

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5. Loosen the oil filter drain plug by turning it counterclockwise with a wrench of the proper size and drain out some oil in the oil filter. Be sure that a drain pan is in position to catch the oil.
6. Loosen the oil filter upper cap with a proper tool from the lower case until an O-ring is seen. Then, drain the oil completely.
7. Pull out the oil filter upper cap with element from the lower case.
   Using a clean cloth, remove any dirt or oil accumulated around the lower case.
8. Install a new copper washer of the oil filter drain plug by the side of lower case and retighten by turning it clockwise **(Tightening torque : 0.8 ~ 1.0 kgf.m)**.
9. After mounting a new oil filter element and new O-ring to upper cap, install the upper cap to lower case and retighten by turning it clockwise. Do not over-tighten **(Tightening torque : 2.3 ~ 2.5 kgf.m)**.

NOTE:
Be careful not to be the element upside down when mounting the element.

10. Refill the crankcase with the recommended engine oil. Refer to the specification in chapter 9 for engine oil capacity.
11. Start the engine and check to be sure no oil is leaking from the drain plug or oil filter.
12. Shut off the engine and recheck the oil level.

NOTE:
It is recommended that the engine oil and filter should be changed by an authorized Hyundai dealer.

NOTE:
Always dispose of used engine oil in an environmentally acceptable manner. It is suggested that it be placed in a sealed container and taken to a service station for maybe reclaimation. Do not pour the oil on the ground or put it into the household trash.

WARNING:
Used motor oil may cause irritation or cancer of the skin if left in contact with the skin for prolonged periods of time. Wash your hands thoroughly with soap and warm water as soon as possible after handling used oil.

G050A01A-AAT

CHECKING AND CHANGING THE ENGINE COOLANT

WARNING:
Do not remove the radiator cap when the engine is hot. When the engine is hot, the engine coolant is under pressure and may erupt through the opening if the cap is removed. You could be seriously burned if you do not observe this precaution. Do not remove the radiator cap until the radiator is cool to the touch.

G050B01A-AAT

Recommended Engine Coolant

Use a high quality ethylene-glycol coolant in a 50/50 mix with water. The engine coolant should be compatible with aluminum engine parts. Additional corrosion inhibitors or additives should not be used. The cooling system must be maintained with the correct concentration and type of engine coolant to prevent freezing and corrosion. Never allow the concentration of antifreeze to exceed the 60% level or go below the 35% level, or damage to the cooling system may result. For proper concentration when adding or replacing the engine coolant, refer to the following table.

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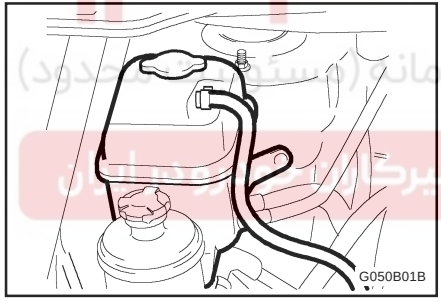
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Ambient temperature °C (°F)	Engine Coolant concentration	
	Antifreeze solution	Water
-15 (5)	35%	65%
-25 (-13)	40%	60%
-35 (-31)	50%	50%
-45 (-49)	60%	40%

G050C01A-AAT

To Check the Coolant Level



The coolant level can be seen on the side of the plastic coolant reservoir. The level of the coolant should be between the "L" and "F" lines on the reservoir when the engine is cool. If the level is below the "L" mark, add engine coolant to bring it up between "L" and "F". If the level is low, inspect for coolant leaks and recheck the fluid level frequently. If the level drops again, visit your Hyundai dealer for an inspection and diagnosis of the reason.

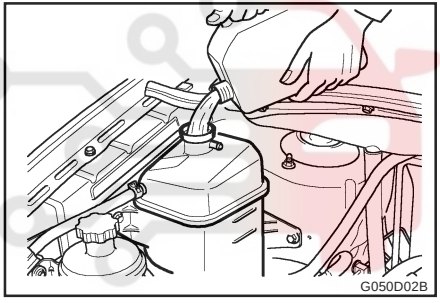
G050D01A-AAT

To Change the Engine Coolant

The engine coolant should be changed at those intervals specified in the vehicle maintenance schedule in Section 5.

CAUTION:
Engine coolant can damage the finish of your car. If you spill engine coolant on the car, wash it off thoroughly with clean water.

1. Park the car on level ground, set the parking brake and remove the radiator cap when cool.
2. Be sure your drain receptacle is in place. Open the drain cock on the radiator. Allow all the engine coolant to drain from the cooling system, then securely close the drain cock.
3. Check Section 9 for the capacity of the cooling system in your car. Then, following the manufacturer's directions on the engine coolant container, add the appropriate quantity of coolant to the radiator. Now fill the radiator with clean demineralized or distilled water. Continue to add clean demineralized or distilled water in small quantities until the fluid level stays up in the radiator neck.
4. Start the engine, top off the radiator with water and then add coolant to the reservoir until the level is between "L" and "F".
5. Replace the radiator and reservoir caps and check to be sure the drain cocks are fully closed and not leaking.



WARNING:
The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the coolant fan so that you are not injured by a rotating fan blade. As the engine coolant temperature decreases, the fan will automatically shut off. This is a normal condition.

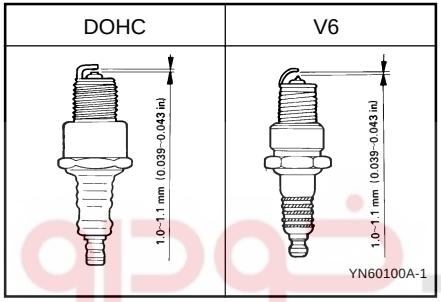
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G060A01B-GAT

SPARK PLUGS (Gasoline engine)



Your engine was originally equipped with platinum-tipped spark plugs (Unleaded- 2.7L only). Platinum-tipped spark plugs will last longer than conventional type spark plugs and can be identified by blue lines on the ceramic shell.

NOTE:
Do not clean or regap platinum-tipped spark plugs.

G060B03B-AAT

Replacing the Spark Plugs

The spark plugs should be changed at the intervals specified in the vehicle maintenance schedule in Section 5 or whenever engine performance indicates they should be changed. Symptoms that suggest poor spark plug performance include engine misfiring under load, loss of fuel economy, poor acceleration, etc. When spark plugs are replaced, always use spark plugs recommended by Hyundai. The use of other spark plugs can result in loss of performance, radio interference or engine damage.

NOTE:
- **When replacing the spark plugs, genuine Hyundai replacement parts are recommended.**
- **It is recommended that the spark plugs for 2.7L Engine be changed by an authorized Hyundai dealer.**

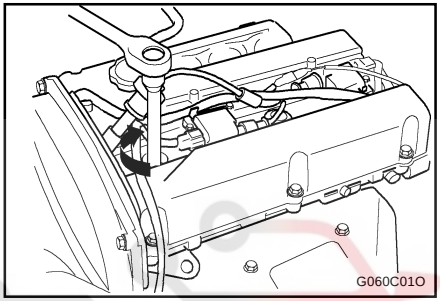
Recommended Spark Plugs:

Type	Remark	
RN9YC4 (CHAMPION) BPR6ES-11 (NGK)	2.0L	Unleaded
RC10PYPB4 (CHAMPION) PFR5N-11 (NGK)	2.7L*	Unleaded
RN9YC ((CHAMPION) BPR6ES (NGK)	2.0L	Leaded
RC10YC (CHAMPION) BKR5ES (NGK)	2.7L	Leaded

*Platinum coated

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Changing the Spark Plugs



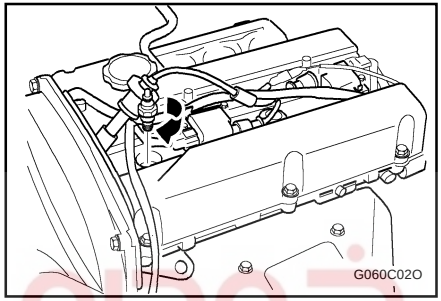
You will find it easier to change spark plugs if the engine is cold. Always change one spark plug at a time. This helps avoid getting the wires mixed up.

1. Remove the center cover (2.0L) on the engine rocker cover.
2. Using a clean cloth, remove any dirt that has accumulated around the base of the spark plug so it cannot fall into the cylinder when the spark plug is removed.
3. To remove the spark plug cable, pull straight up on the insulated connector, not the cable. Pulling on the cable may damage the carbon core conductor.

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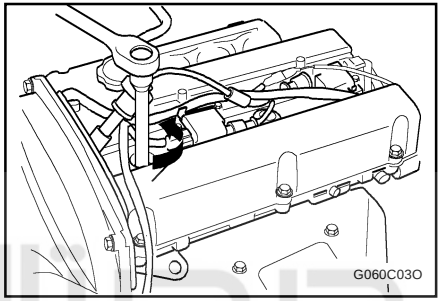
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WARNING:
It is recommended that the engine be cool or cold when changing the spark plugs. If the engine is hot, you could burn yourself on the insulated connector, the spark plug or the engine itself.

4. When preparing to remove the old spark plug, guide the socket down over the spark plug, being careful not to damage the ceramic insulator.
5. To remove the old spark plug, turn the wrench handle in a counterclockwise direction.
6. To install the new spark plug, guide the socket down over the spark plug, being careful not to damage the ceramic insulator.

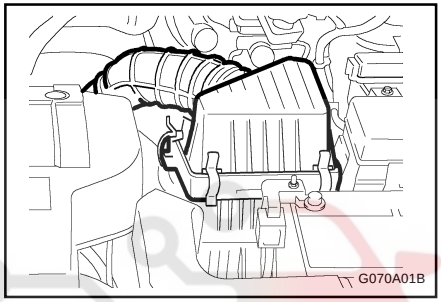


NOTE:
Spark plugs should be tightened firmly. Overtightening can damage the threads in the aluminum cylinder head. Also, leaving them too loose can cause the spark plug to get very hot and possibly result in damage to the engine.

7. Replace the cable by pushing the insulated connector directly down onto the electrode. Check to be sure it has snapped into place and can't fall off.

G070A02Y-AAT

CHANGING THE AIR CLEANER FILTER



The replacement of air cleaner filter is performed in the following manner.

1. Unsnap the clips around the cover.
2. When this is done, the cover can be lifted off, the old filter removed and the new filter put in its place.

Genuine Hyundai replacement parts are recommended.

CAUTION:
Operating your vehicle without a proper air cleaner filter in place can result in excessive engine wear.

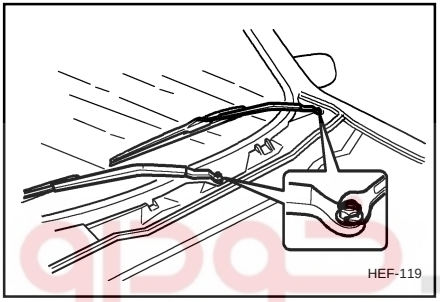
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G080A02A-AAT

WINDSHIELD WIPER BLADES



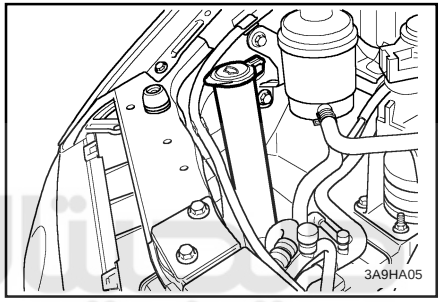
The wiper blades should be carefully inspected from time to time and cleaned to remove accumulations of road film or other debris. To clean the wiper blades and arms, use a clean sponge or cloth with a mild soap or detergent and water. If the wipers continue to streak or smear the glass, replace them with genuine Hyundai replacement parts or their equivalent.

CAUTION:

- **Do not operate the wipers on dry glass. This can result in more rapid wear of the wiper blades and may scratch the glass.**
- **Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.**

G090A01A-GAT

FILLING THE WASHER RESERVOIR



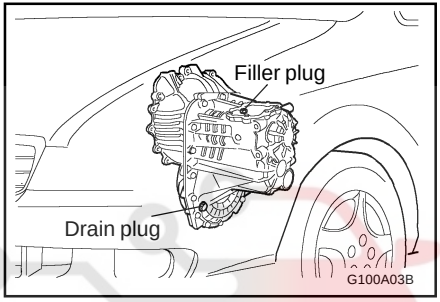
The washer fluid reservoir supplies fluid to the windshield washer system.
A good quality washer fluid should be used to fill the washer reservoir. The fluid level should be checked more frequently during inclement weather or whenever the washer system is in more frequent use.
The capacity of the washer reservoir is 3.0 liters (3.2 U.S. quarts).

CAUTION:

- **Radiator antifreeze (engine coolant) should not be used in the washer system because it will damage the car's finish.**
- **The washer should not be operated if the washer reservoir is empty. This can damage the washer fluid pump.**

G100A03Y-GAT

CHECKING THE TRANSAXLE OIL (MANUAL)



Transaxle lubricant in the manual transaxle should be checked at those intervals specified in the vehicle maintenance schedule in Section 5.

Recommended Oil

Use only HYUNDAI GENUINE PARTS MTF 75W/90 (API GL-4) in the manual transaxle.

Manual Transaxle Oil Capacity

The oil capacity of the manual transaxle is 2.3liters (2.4 U.S. quarts).

WARNING:

It is always better to check the transaxle oil level when the engine is cool or cold. If the engine is hot, you should exercise great caution to avoid burning yourself on hot engine or exhaust parts.

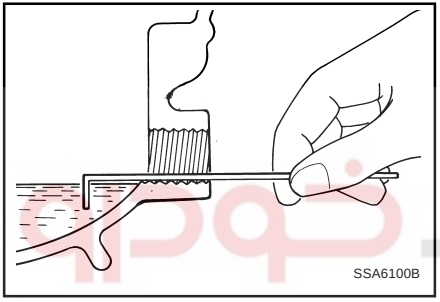
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G100B02A-AAT

To Check the Manual Transaxle Fluid Level



Park the car on level ground with the engine off.

1. Using a wrench of the correct size, loosen the oil filler plug by turning it counterclockwise and remove it with your fingers.
2. Use your finger to feel inside the hole. The oil level should be at its bottom edge. If it is not, check for leaks before adding oil. To refill the transaxle or bring the oil level up,add oil slowly until it reaches the proper level. Do not overfill.
3. Replace the plug and washer, screw it in with your fingers and then tighten securely with the wrench.

G110A01A-AAT

CHECKING THE TRANSAXLE FLUID (AUTOMATIC)

Transaxle fluid in the automatic transaxle should be checked at those intervals specified in the vehicle maintenance schedule in Section 5.

G110B03A-AAT

Recommended Fluid

Your Hyundai automatic transaxle is specially designed to operate with DIAMOND ATF SP-III or SK ATF SP-III. Damage caused by a nonspecified fluid is not covered by your new vehicle limited warranty.

G110C03B-GAT

Transaxle Fluid Capacity

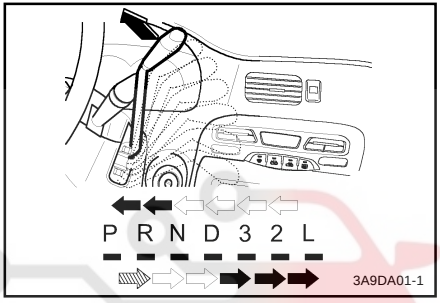
The fluid capacity of the automatic transaxle is 7.8 liters (2.0L) or 8.5 (2.7L, Diesel).

WARNING:

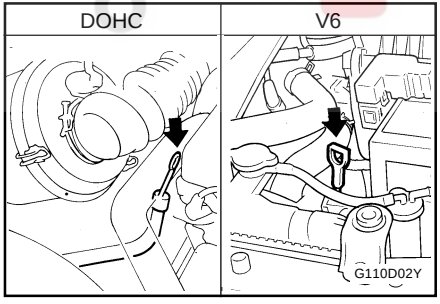
The transaxle fluid level should be checked when the engine is at normal operating temperature. This means that the engine, radiator, exhaust system etc., are very hot. Exercise great care not to burn yourself during this procedure.

G110D02B-AAT

To Check the Automatic Transaxle Fluid Level



Park the car on level ground with the parking brake engaged. When the transaxle fluid level is checked, the transaxle fluid should be at normal operating temperature and the engine idling.



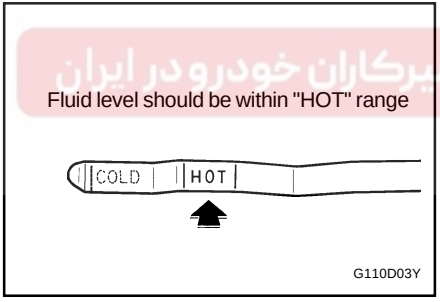
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While the engine is idling, apply the brakes and move the gear selector lever from "P" to each of its other positions — "R", "N", "D", "2", "3", "L" — and then return to "N" or "P" with the engine still idling:

1. Open the hood, being careful to keep hands, long hair and clothing clear of any moving parts.
2. Remove the transaxle dipstick, wipe it clean, reinsert the dipstick as far as it will go, then remove it again. Now check the fluid level on the dipstick. It should be in the "HOT" range on the dipstick.
3. If the transaxle fluid level is low, use a funnel to add transaxle fluid through the dipstick tube until the level reaches the "HOT" range. Do not overfill.



Fluid level should be within "HOT" range

G110D03Y

WARNING:
The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the cooling fan, so that you are not injured by a rotating fan blade. As the engine coolant temperature decreases, the fan will automatically shut off. This is a normal condition.

WARNING (Diesel only):
Never work on injection system with engine running or within 30 seconds after shutting off engine. High pressure pump, rail, injectors and high pressure pipes are subjected to high pressure even after the engine has been switched off. The fuel jet produced by fuel leaks may cause serious injury, if it contacts with the body. People using pacemakers should not move closer than 30cm to the ECU or wiring harness within the engine room with the engine running, since the high currents in the Common Rail system produce considerable magnetic fields.

G120A01A-AAT

CHECKING THE BRAKES

CAUTION:
Because brakes are essential to the safe operation of the car, it is suggested that they be checked and inspected by your Hyundai dealer. The brakes should be checked and inspected for wear at those intervals specified in the vehicle maintenance schedule in Section 5.

G120B01A-AAT

Checking the Brake Fluid Level

WARNING:
Use caution when handling brake fluid. It can damage your vision if it gets into your eyes. It will also damage your vehicle's paint if spilled on it and not removed immediately.

G120C02A-AAT

Recommended Brake Fluid

Use only hydraulic brake fluid conforming to DOT 3 or DOT 4 specifications in your braking system. Follow the instructions printed on the container.

G120D01A-AAT

To Check the Fluid Level

The fluid level in the brake fluid reservoir should be checked periodically. The level should be between the "MIN" and "MAX" marks on the side of the reservoir. If the level is at or below the "MIN" mark, carefully add fluid to bring it up to "MAX". Do not overfill.

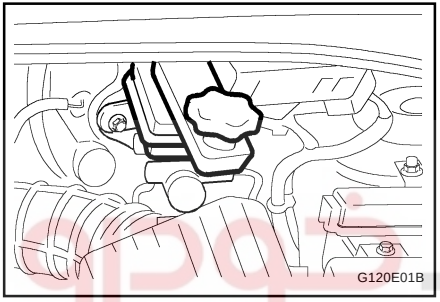
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G120E02A-AAT

Adding Brake Fluid



WARNING:

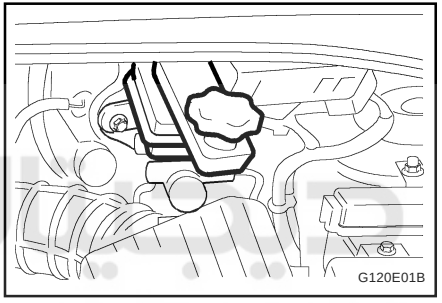
Handle brake fluid carefully. It can damage your vision if it gets into your eyes. Use only DOT 3 or DOT 4 specification fluid from a sealed container. Do not allow the fluid can or reservoir to remain open any longer than required. This will prevent entry of dirt and moisture which can damage the brake system and cause improper operation.

To add brake fluid, first wipe away any dirt then unscrew the fluid reservoir cap. Slowly pour the recommended fluid into the reservoir. Do not overfill. Carefully replace the cap on the reservoir and tighten.

G130A01A-AAT

CHECKING THE CLUTCH FLUID

To Check the Clutch Fluid



The clutch fluid level in the master cylinder should be checked when performing other under hood services. The system should be checked for leakage at the same time. Check to make certain that the clutch fluid level is always between the "MAX" and "MIN" level markings on the fluid reservoir. Fill as required. Fluid loss indicates a leak in the clutch system which should be inspected and repaired immediately. Consult your Hyundai dealer.

G130B02A-AAT

To Replace the Fluid

Recommended brake fluid conforming to DOT 3 or DOT 4 specification should be used. The reservoir cap must be fully tightened to avoid contamination from foreign matter or moisture.

NOTE:

Do not allow petroleum base fluid to contaminate the brake fluid. Seal damage will result.

WARNING:

Use caution when handling brake fluid. It can damage your vision if you get it in your eyes. It will also damage your vehicle's paint if spilled on it and not removed immediately.

G140A01A-AAT

AIR CONDITIONING CARE

Keeping the Condenser Clean

The air conditioning condenser (and engine radiator) should be checked periodically for accumulation of dirt, dead insects, leaves, etc. These can interfere with maximum cooling efficiency. When removing such accumulations, brush or hose them away carefully to avoid bending the cooling fans.

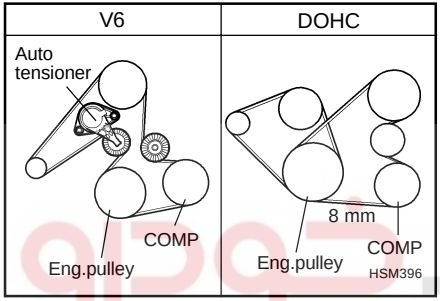
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G140D01S-GAT

Checking the Compressor Drive Belt



When the air conditioning is being used regularly, the compressor drive belt tension should be checked at least once a month.
To check the drive belt tension, press down on the belt halfway between the engine crankshaft and compressor pulleys. Pressing with your finger, you should not be able to deflect this belt anymore than 8.0 mm. If you have the instruments to check it with a force of 98N (22 lb.), the deflection should be approx. 8.0 mm (0.315 inches). If the belt is too loose, have it adjusted by your Hyundai dealer.

G140B01A-AAT

Checking the Air Conditioning Operation

1. Start the engine and let it run at fast idle for several minutes with the air conditioning set at the maximum cold setting.
2. If the air coming out of the in-dash vents is not cold, have the air conditioning system inspected by your Hyundai dealer.

CAUTION:
Running the air conditioning system for extended periods of time with a low refrigerant level may damage the compressor.

G140C01A-AAT

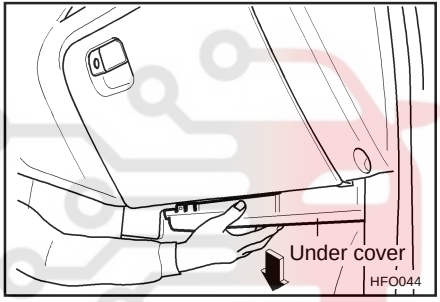
Lubrication

To lubricate the compressor and the seals in the system, the air conditioning should be run for at least 10 minutes each week. This is particularly important during cool weather when the air conditioning system is not otherwise in use.

G145A01B-AAT

CHANGING THE AIR FILTER (For Evaporator and Blower Unit) (Type A) (If Installed)

The air filter is located in front of the evaporator unit behind the glove box.
It helps to decrease pollutants from entering the car and to filter the air.

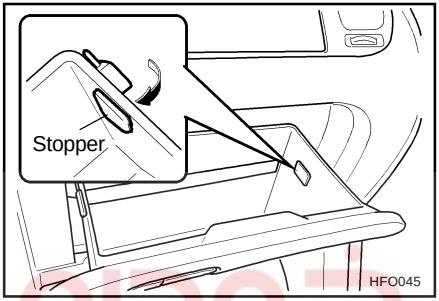


1. Remove the under cover from the glove box with pulling the cover toward the floor.

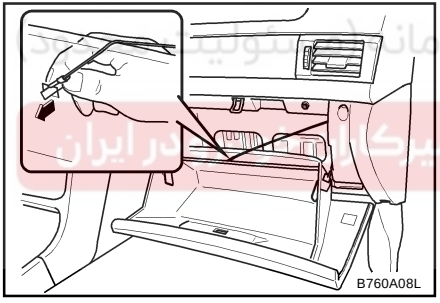
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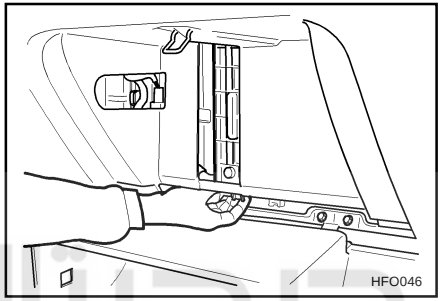
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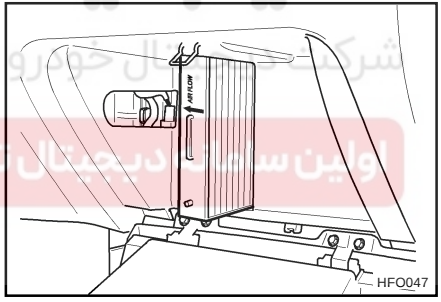
2. Open the glove box and remove the stoppers on both sides of the glove box.



3. Lower the glove box down completely after taking out the damper strap from the hole.



4. Remove the filter cover by pulling the bottom end of the filter cover.



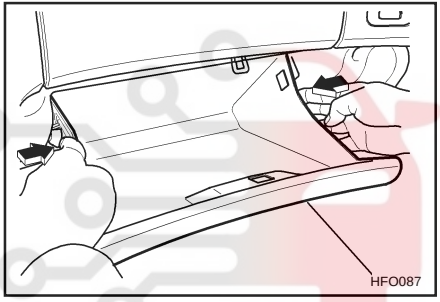
5. Replace the air filter with a new one.
6. Installation is the reverse order of disassembly.

CAUTION:
Be sure to install the air filter in the direction of the arrow sign. Otherwise, it may cause noise or deterioration.

G145A02B-AAT

CHANGING THE AIR FILTER (For Evaporator and Blower Unit) (Type B) (If Installed)

The air filter is located in front of the evaporator unit behind the glove box.
It helps to decrease pollutants from entering the car and to filter the air.

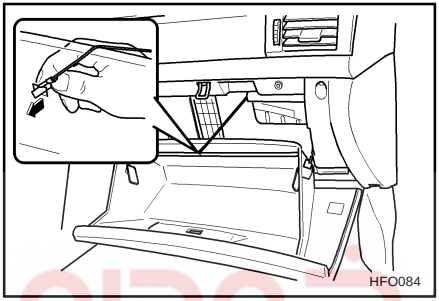


1. Open the glove box.
   Lower it down by pushing the both sides of the glove box inward.

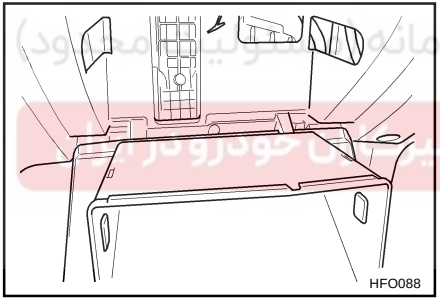
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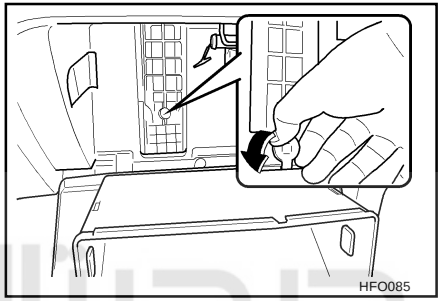
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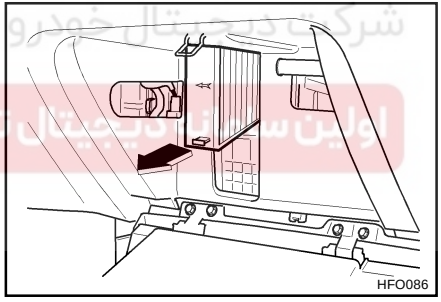
2. Lower the glove box down after taking out the damper strap from the hole.



3. Lower the glove box down completely.



4. Turn the knob of the air conditioner filter cover counterclockwise and remove the air conditioner filter cover.

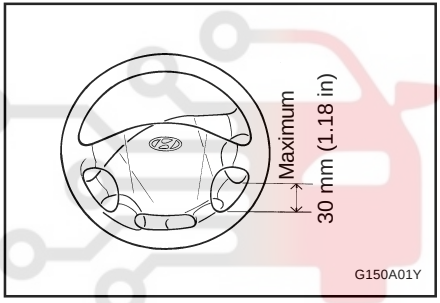


5. Replace the two conditioner filters by pulling the knob of the air conditioner filter outward.
6. Replace the two filters.
7. Installation is the reverse order of disassembly.

CAUTION:
Be sure to install the air filter in the direction of the arrow sign. Otherwise, it may cause noise or deterioration.

G150A01A-GAT

CHECKING STEERING WHEEL FREEPLAY



To check the steering wheel freeplay, stop the car with the wheels pointed straight ahead and gently move the steering wheel back and forth. Use very light finger pressure and be sensitive to changes in resistance that mark the limits of the freeplay. If the freeplay is greater than specified, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

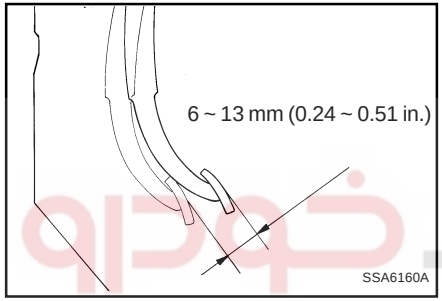
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G160A01A-GAT

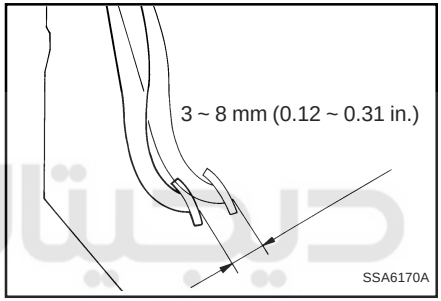
CHECKING CLUTCH PEDAL FREE-PLAY



With the engine off, press lightly on the clutch pedal until you feel a change in resistance. This is the clutch pedal freeplay. The freeplay should be within the limits specified in the illustration. If it is not, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

G170A01A-GAT

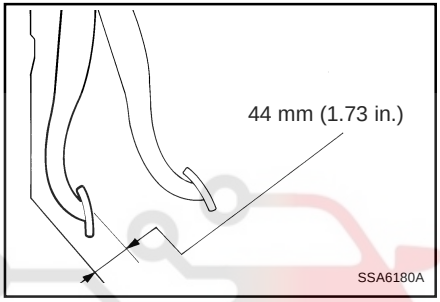
CHECKING BRAKE PEDAL FREE-PLAY



With the engine off, press down on the brake pedal several times to reduce the vacuum in the brake booster.
Then, using your hand, press down slowly on the brake pedal until you feel a change in resistance. This is the brake pedal freeplay. The freeplay should be within the limits specified in the illustration. If it is not, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

G180A01A-GAT

CHECKING BRAKE PEDAL CLEARANCE



You need a helper to check the brake pedal clearance. With the engine running, have your helper press down on the brake pedal several times and then hold it down with a force of about 490N (50 kg, 110 lbs). The brake pedal clearance is the distance from the top surface of the brake pedal to the asphalt sheeting under the floor mat. If the brake pedal clearance is not within the limits specified in the illustration, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

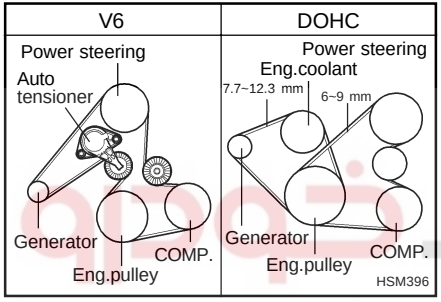
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G190A01A-GAT

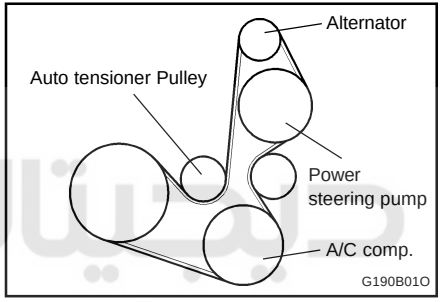
CHECKING DRIVE BELTS (Gasoline Engine)



Drive belts should be checked periodically for proper tension and adjusted if necessary. At the same time, belts should be examined for cracks, wear, fraying or other evidence of deterioration and replaced if necessary.
Belt routing should also be checked to be sure there is no interference between the belts and other parts of the engine. After a belt is replaced, the new belt should be adjusted again after two or three weeks to eliminate slack resulting from initial stretching after use.

G190B01TB-GAT

CHECKING DRIVE BELTS (Diesel Engine)

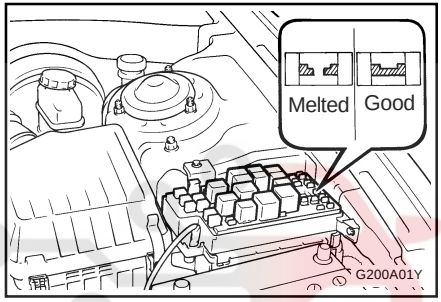


At the scheduled maintenance inspection, belts should be examined for cracks, wear, fraying or other evidence of deterioration and replaced if necessary.
Belt routing should also be checked to be sure there is no interference between the belts and other parts of the engine.

G200A01A-AAT

CHECKING AND REPLACING FUSES

Replacing a Fusible Link



A fusible link will melt if the electrical circuits from the battery are ever overloaded, thus preventing damage to the entire wiring harness. (This could be caused by a short in the system drawing too much current.) If this ever happens, have a Hyundai dealer determine the cause, repair the system and replace the fusible link. The fusible links are located in a fuse box for easy inspection.

CAUTION:
When replacing a fusible link, never use anything but a new fusible link with the same or lower amperage rating. Never use a piece of wire or a higher-rated fusible link. This could result in serious damage and create a fire hazard.

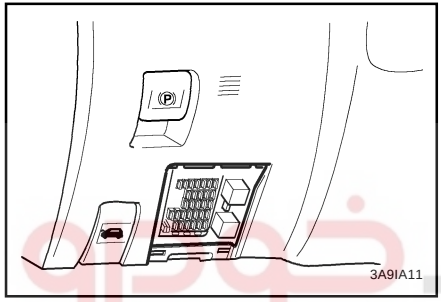
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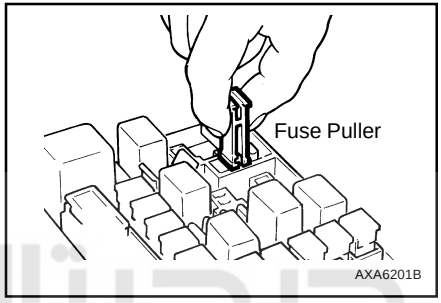
G200B01A-AAT

Replacing Accessory Fuse

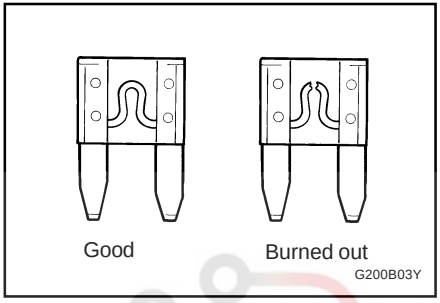


The fuse box for the lights and other electrical accessories will be found low on the dashboard on the driver's side. Inside the box you will find a list showing the circuits protected by each fuse. If any of your car's lights or other electrical accessories stop working, a blown fuse could be the reason. If the fuse has burned out, you will see that the metal strip inside the fuse has burned through. If you suspect a blown fuse, follow this procedure:

1. Turn off the ignition and all other switches.
2. Open the fuse box and examine each fuse. Remove each fuse by pulling it toward you (a small "fuse puller" tool is contained in the fuse box to simplify this operation).



3. Be sure to check all other fuses even if you find one that appears to have burned out.
4. Replace the blown fuse by pressing a new fuse of the same rating into place. The fuse should be a snug fit. If it is not, have the fuse clip repaired or replaced by a Hyundai dealer. If you do not have a spare fuse, you may be able to borrow a fuse of the same or lower rating from an accessory you can temporarily get along without (the radio or cigarette lighter, for example). Always remember to replace the borrowed fuse.



CAUTION:

A burned-out fuse indicates that there is a problem in the electrical circuit. If you replace a fuse and it blows as soon as the accessory is turned on, the problem is serious and should be referred to a Hyundai dealer for diagnosis and repair. Never replace a fuse with anything except a fuse with the same or a lower amperage rating. A higher capacity fuse could cause damage and create a fire hazard.

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G210A01A-AAT

CHECKING THE BATTERY

WARNING:

Batteries can be dangerous! When working with batteries, carefully observe the following precautions to avoid serious injuries.

The fluid in the battery contains a strong solution of sulfuric acid, which is poisonous and highly corrosive. Be careful not to spill it on yourself or the car. If you do spill battery fluid on yourself, immediately do the following:

- If battery fluid is on your skin, flush the affected areas with water for at least 15 minutes and then seek medical assistance.
- If battery fluid is in your eyes, rinse out your eyes with water and get medical assistance as soon as possible. While you are being driven to get medical assistance, continue to rinse your eyes by using a sponge or soft cloth saturated with water.
- If you swallow battery fluid, drink a large quantity of water or milk followed by milk of magnesia, eat a raw egg or drink vegetable oil. Get medical assistance as soon as possible.

While batteries are being charged (either by a battery charger or by the vehicle's alternator), they produce explosive gases. Always observe these warnings to prevent injuries from occurring:

- Charge batteries only in a well ventilated area.
- Do not permit flames, sparks or smoking in the area.
- Keep children away from the area.

G210B01A-AAT

Checking the Battery

Keep the battery clean. Any evidence of corrosion around the battery posts or terminals should be removed using a solution of household baking soda and warm water. After the battery terminals are dry, cover them with a light coating of grease.

G220A01A-AAT

CHECKING ELECTRIC COOLING FANS

WARNING:

The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the coolant fan, so that you are not injured by a rotating fan blade. As the coolant temperature decreases the fan will automatically shut off. This is a normal condition.

G220B01A-AAT

Checking Engine Cooling Fan

The engine coolant fan should come on automatically if the engine coolant temperature is high.

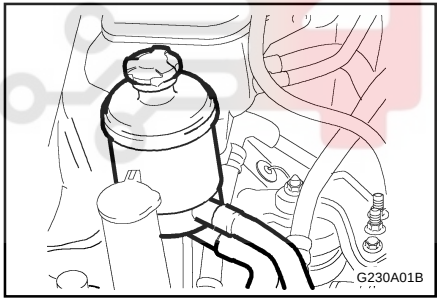
G220C01A-AAT

Checking Condenser Cooling Fan

The condenser coolant fan should come on automatically whenever the air conditioning is in operation.

G230A03A-GAT

POWER STEERING FLUID LEVEL



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The power steering fluid level should be checked regularly.
To check the power steering fluid level, be sure the ignition is "OFF", then check to make certain that the power steering fluid level is between the "MAX" and "MIN" level markings on the fluid reservoir.

NOTE:
Grinding noise from the power steering pump may be heard immediately after the engine is started in extremely cold conditions (below - 20°C). If the noise stops during warm up, there is no abnormal function in the system. It is due to a power steering fluid characteristic in extremely cold conditions.

Recommended Fluid
Use PSF-3 type fluid

NOTE:
Do not start the engine when the power steering oil reservoir is empty.

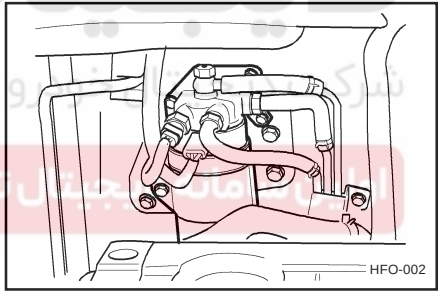
G240A01A-AAT

POWER STEERING HOSES

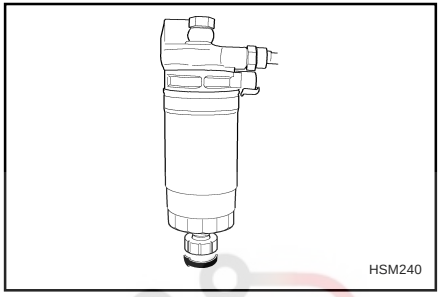
It is suggested that you check the power steering hose connections for fluid leakage daily. The power steering hoses should be replaced if there is severe surface cracking, pulling, scuffing or worn spots. Deterioration of the hose could cause premature failure.

G300A02B-GAT

REMOVAL OF WATER FROM THE FUEL FILTER (Diesel Engine)



If the fuel filter warning lamp illuminates during driving, it indicates that water has accumulated in the fuel filter. If this occurs, remove the water as described below.



1. Loosen the drain plug at the bottom of the fuel filter.
2. Tighten the drain plug when water no longer comes out.
3. Check to be sure that the warning lamp illuminates when the ignition key is turned to "ON", and that it goes off when the engine is started.
   If in doubt, consult your nearest authorized HYUNDAI dealer.

NOTE:
It is recommended that water accumulated in the fuel filter should be removed by an authorized Hyundai dealer.

WARNING:
Be sure to carefully wipe away any water drained out in this manner, because the fuel mixed in the water might be ignited and result in a fire.

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G260A03A-GAT

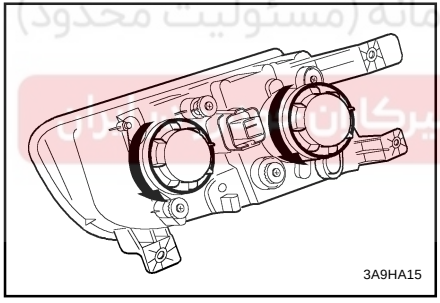
REPLACING HEADLIGHT BULBS

Before attempting to replace a headlight bulb, be sure the switch is turned to the "OFF" position.
The next paragraph shows how to reach the headlight bulbs so they may be changed. Be sure to replace the burned-out bulb with one of the same number and wattage rating.

CAUTION:
Keep the lamps out of contact with petroleum products, such as oil, gasoline, etc.

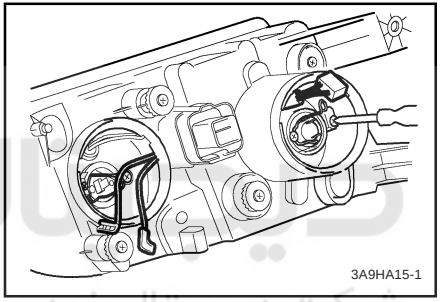
G270A02Y-DAT

HEADLIGHT BULB



Replacement instructions:

1. Allow the bulb to cool. Wear eye protection.
2. Always grasp the bulb by its plastic base, avoid touching the glass.
3. Disconnect the power cord from the bulb base in the back of the headlight.
4. Push the bulb spring for removing the headlight bulb.



5. Remove the protective cap from the replacement bulb and install the new bulb by matching the plastic base with the headlight hole. Retighten the bulb spring and reconnect the power cord.
6. Use the protective cap and carton to dispose of the old bulb.
7. Check for proper headlight aim.

WARNING:
The halogen bulb contains gas under pressure and if impacted could shatter, resulting in flying fragments. Always wear eye protection when servicing the bulb. Protect the bulb against abrasions or scratches and against liquids when lighted. Turn the bulb on only when installed in a headlight. Replace the headlight if damaged or cracked. Keep the bulb out of the reach of children and dispose of the used bulb with care.

G290A02B-GAT

HEADLIGHT AIMING ADJUSTMENT

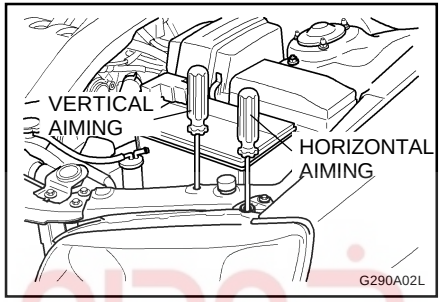
Before performing aiming adjustment, make sure of the following.

1. Keep all tires inflated to the correct pressure.
2. Place the vehicle on level ground and press the front bumper & rear bumper down several times.
   Place vehicle at a distance of 118.1 in. (3m) from the test wall.
3. See that the vehicle is unloaded (except for full levels of coolant, engine oil and fuel, and spare tire, jack, and tools). Have the driver or equivalent weight placed in driver's seat.
4. Clean the headlight lenses and turn on the headlights.

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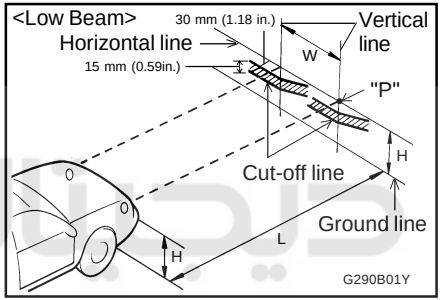
5. Open the hood.
6. Draw the vertical line (through the center of each headlight beam pattern) and the horizontal line (through the center of each headlight beam pattern) on the aiming screen.

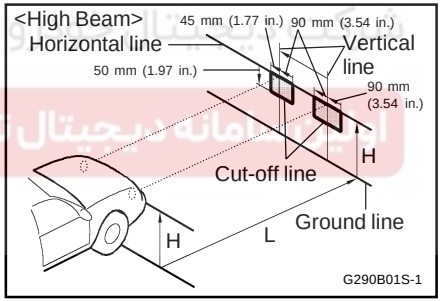
And then, draw a parallel line at 30 mm (1.18 in.) under the horizontal line in case of adjusting the low beam or at 50 mm (1.97 in.) place under the horizontal line in case of adjusting the high beam.

7. Adjust each cut-off line of the low beam or the high beam to the parallel line with a Phillips screwdriver - VERTICAL AIMING.
8. Adjust each cut-off line of the low beam or the high beam to the each vertical line with a Phillips screwdriver - HORIZONTAL AIMING.

G290B01B-GAT

Adjustment After Headlight Assembly Replacement





If the vehicle has had front body repair and the headlight assembly has been replaced, the headlight aiming should be checked using an aiming screen as shown in the illustration. Turn on the headlight switch (Low Beam Position or High Beam Position).

1. Adjust headlights so that main axis of light is parallel to center line of the body and is aligned with point "P" shown in the illustration.
2. Dotted lines in the illustration show the center of headlights.

SPECIFICATION:

"H"
Horizontal center line of headlights from ground :
Low Beam : 700 mm (27.56 in.)
High Beam : 694 mm (27.32 in.)

"W"
Distance between each headlight center :
Low Beam : 1254 mm (49.37 in.)
High Beam : 978 mm (38.50 in.)

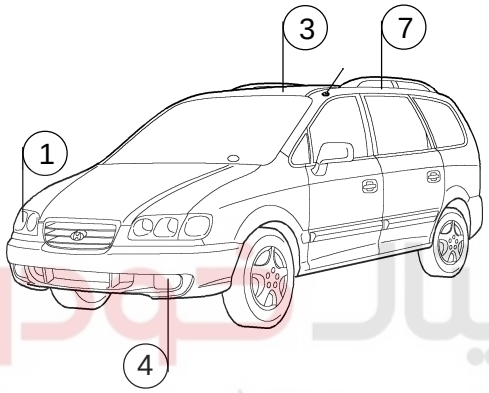
"L"
Distance between the headlights and the wall that the lights are tested against :
Low Beam : 3000 mm (118.11 in.)
High Beam : 3000 mm (118.11 in.)

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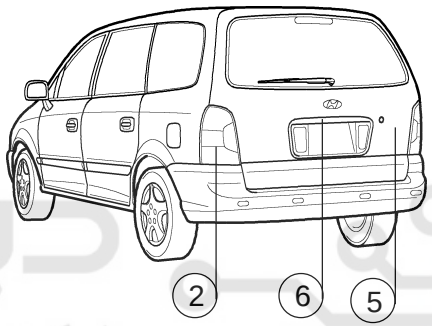
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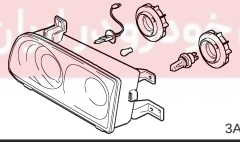


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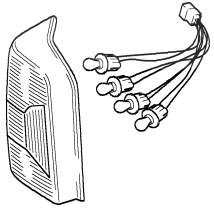
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1. Head Light (Low/High) - 55/55W
   Position Light - 5W
   Front Turn Signal Light - 21W



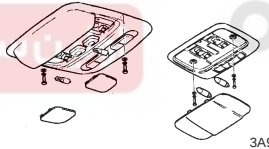
3A9HA19

2. Stop/Tail Light - 21/5W
   Turn Signal Light - 21W
   Back-up Light - 21W
   Rear Fog Light (If installed) - 21W



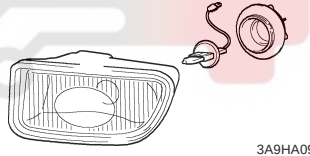
3A9HA07

3. Map Light - 10W
   Interior Light - 10W



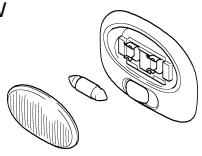
3A9HA20

4. Front Fog Light (If installed) - 55W



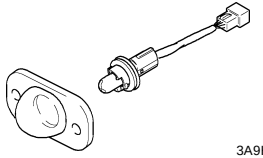
3A9HA09

5. Luggage Compartment Light - 10W



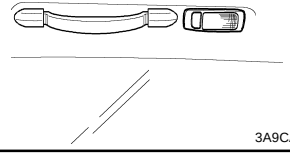
3A9HA10

6. License Plate Light - 8W



3A9HA11

7. Side Room Light - 10W



3A9CA20

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7. EMISSION CONTROL SYSTEMS

H010A01A-GAT

EMISSION CONTROL SYSTEMS

Your Hyundai is equipped with an emission control system to meet all requirements of the Emission prohibition rules of your province. There are three emission control systems which are as follows.

(1) Crankcase emission control system
(2) Evaporative emission control system
(3) Exhaust emission control system

In order to assure the proper function of the emission control systems, it is recommended that you have your car inspected and maintained by an authorized Hyundai dealer in accordance with the maintenance schedule in this manual.

H010B01A-AAT

1. Crankcase Emission Control System

The positive crankcase ventilation system is employed to prevent air pollution caused by blow-by gases being emitted from the crankcase. This system supplies filtered fresh air to the crankcase through the air intake hose. Inside the crankcase, the fresh air mixes with blow-by gases, then passes through the PCV valve into the induction system.

H010C02Y-GAT

2. Evaporative Emission Control System

The Evaporative Emission Control System is designed to prevent fuel vapors from escaping into the atmosphere.

Canister

While the engine is inoperative, fuel vapors generated inside the fuel tank are absorbed and stored in the canister. When the engine is running, the fuel vapors absorbed in the canister are drawn into the induction system through the purge control solenoid valve.

Purge Control Solenoid Valve

The purge control solenoid valve is controlled by the ECM when the engine coolant temperature is low, and during idling, it closes, so that evaporated fuel is not taken into the surge tank. After engine warm-up, during ordinary driving, it opens so as to introduce evaporated fuel to the surge tank.

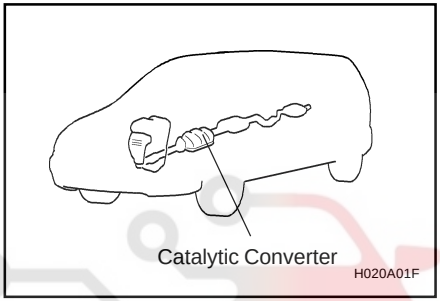
H010D01A-AAT

3. EXHAUST EMISSION CONTROL SYSTEM

The Exhaust Emission Control System is a highly effective system which controls exhaust emissions while maintaining good vehicle performace.

H020A01A-AAT

CATALYTIC CONVERTER ; For a Gasoline Engine



All Hyundai vehicles are equipped with a monolith type three-way catalytic converter to reduce the carbon monoxide, hydrocarbons and nitrogen oxides contained in the exhaust gas. Exhaust gases passing through the catalytic converter cause it to operate at a very high temperature. The introduction of large amounts of unburned gasoline into the exhaust may cause the catalytic converter to overheat and create a fire hazard. This risk may be reduced by observing the following:

WARNING:

- **Use unleaded fuel only.**
- **Maintain the engine in good operating condition. Extremely high catalytic converter temperatures can result from improper operation of the electrical, igni-**

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tion or multiport electronic fuel injection.

- **If your engine stalls, pings, knocks, or is hard to start, have your Hyundai dealer inspect and repair the problem as soon as possible.**
- **Avoid driving with a very low fuel level. Running out of gasoline may cause the engine to misfire and result in damage to the catalytic converter.**
- **Avoid idling the engine for periods longer than 10 minutes.**
- **The vehicle should not be pushed or pulled to get started. This may cause the catalytic converter to overheat and create a fire hazard.**
- **Do not touch the catalytic converter or any other part of the exhaust system while the catalytic converter is hot. Shut off the engine, wait for at least one hour before touching the catalytic converter or any other part of the exhaust system.**
- **Remember that your Hyundai dealer is your best source of assistance.**
- **Do not stop your Hyundai over any combustible material such as grass, paper, leaves or rags. These materials might contact the hot catalytic converter and a fire might result.**

H020C01S-GAT

EGR SYSTEM

; For a diesel engine

This system helps control oxides of nitrogen by recirculating a part of the exhaust gas into the engine.

H020D01S-GAT

CATALYTIC CONVERTER

; For a Diesel Engine

All Hyundai vehicles are equipped with oxidation type catalytic converter to reduce the carbon monoxide, hydrocarbons and particulate contained in the exhaust gas.

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اولین سامانه دیجیتال تعمیر

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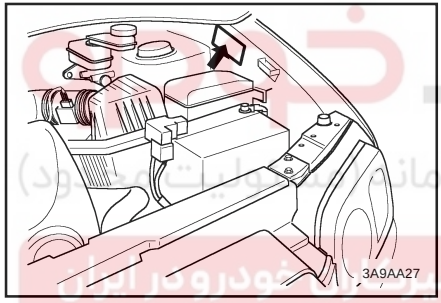
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8. CONSUMER INFORMATION

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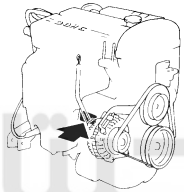
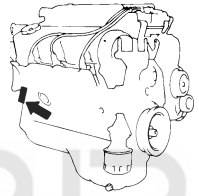
VEHICLE IDENTIFICATION NUMBER (VIN)



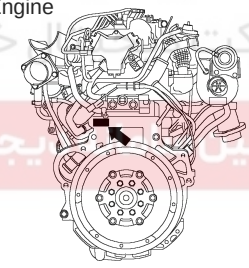
The vehicle identification number (VIN) is the number used in registering your car and in all legal matters pertaining to its ownership, etc. It can be found on the identification plate attached to the engine compartment.

I010B01S-GAT

Engine Number

DHOC	V6
	

Diesel Engine



The engine number is stamped on the engine block as shown in the drawing.

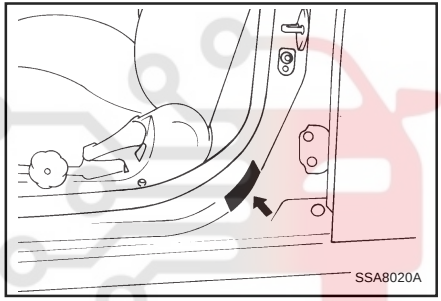
I020A01A-AAT

TIRE INFORMATION

The tires supplied on your new Hyundai are chosen to provide the best performance for normal driving.

I030A01B-AAT

RECOMMENDED INFLATION PRESSURES



The tire label located on the driver side center pillar outer panel gives the tire pressures recommended for your vehicle.

RIM SIZE	TIRE SIZE	PRESSURE, kPa (PSI)			
		UP TO 2 PERSONS		UP TO MAX. LOAD	
		FRONT	REAR	FRONT	REAR
6Jx14	205/70R14	220(32)	220(32)	235(34)	235(34)
6Jx15	215/65R15	220(32)	220(32)	235(34)	235(34)

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These pressures were chosen to provide the most satisfactory combination of ride comfort, tire wear and stability under normal conditions. Tire pressures should be checked at least monthly. Proper tire inflation pressures should be maintained for these reasons:

- Lower-than-recommended tire pressures cause uneven tread wear and poor handling.
- Higher-than-recommended tire pressures increase the chance of damage from impacts and cause uneven tread wear.

CAUTION:
Always observe the following:

- **Check pressures when the tires are cold. That is, after the car has been parked for at least three hours and hasn't been driven more than 1.6 km or one mile since starting up.**
- **Check the pressure of your spare tire each time you check the pressure of other tires.**
- **Never overload your car. Be especially careful about overloading if you equip your car with a luggage rack or car top carrier.**

I040A01Y-GAT

SNOW TIRES

If you equip your car with snow tires, they should be the same size and have the same load capacity as the original tires. Snow tires should be installed on all four wheels; otherwise, poor handling may result.
Snow tires should carry 28 kPa (4 psi) more air pressure than the pressure recommended for the standard tires on the tire label on driver's door edge, or up to the maximum pressure shown on the tire sidewall whichever is less.
Do not drive faster than 120 km/h (75 mph) when your car is equipped with snow tires.

I050A03B-AAT

TIRE CHAINS

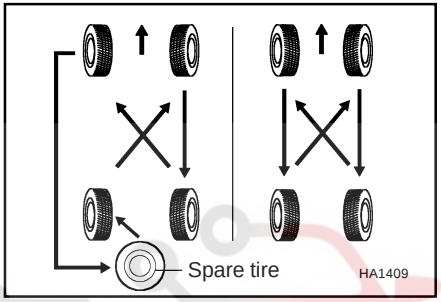
Tire chains, if necessary, should be installed on the front wheels. Be sure that the chains are installed in accordance with the manufacturer's instructions.
To minimize tire and chain wear, do not continue to use tire chains when they are no longer needed.

WARNING:

- **When driving on roads covered with snow or ice, drive at less than 30 km/h (20 mph).**
- **If you have noise caused by chains contacting the body, retighten the chain to avoid contact with the vehicle body.**
- **To prevent body damage, retighten the chains after driving 0.5 ~ 1 km.**

I060A01Y-GAT

TIRE ROTATION



Tires should be rotated every 10,000 km (6,000 miles). If you notice that tires are wearing unevenly between rotations, have the car checked by a Hyundai dealer so the cause may be corrected.
After rotating, adjust the tire pressures and be sure to check wheel nut torque.

WARNING:
Do not mix bias-ply and radial-ply tires under any circumstances. This may cause dangerous handling characteristics that may cause death, serious injury, or property damage.

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I070A01A-AAT

TIRE BALANCING

A tire that is out of balance may affect handling and tire wear. The tires on your Hyundai were balanced before the car was delivered but may need balancing again during the years you own the car.

Whenever a tire is dismounted for repair, it should be rebalanced before being reinstalled on the car.

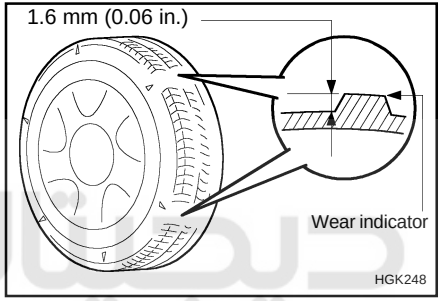
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TIRE TRACTION

Tire traction can be reduced if you drive on worn tires, tires that are improperly inflated or on slippery road surfaces. Tires should be replaced when tread wear indicators appear. To reduce the possibility of losing control, slow down whenever there is rain, snow or ice on the road.

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WHEN TO REPLACE TIRES



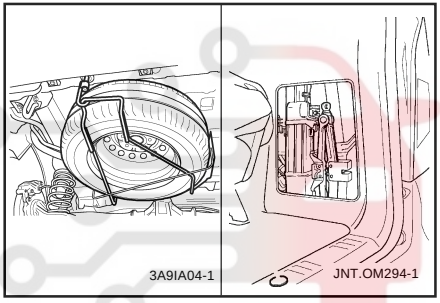
The original tires on your car have tread wear indicators. The tread wear indicators appear when the tread depth is 1.6 mm (0.06 in.). The tire should be replaced when these appear as a solid bar across two or more grooves of the tread. Always replace your tires with those of the recommended size. If you change wheels, the new wheel's rim width and offset must meet Hyundai specifications.

WARNING:

- **Driving on worn-out tires is dangerous! Worn-out tires can cause loss of braking effectiveness, steering control and traction. When replacing tires, never mix radial and bias-ply tires on the same car. If you replace radial tires with bias-ply tires, they must be installed in sets of four.**
- **Using tires and wheels of other than the recommended sizes may cause unusual handling characteristics that may cause death, serious injury, or property damage.**

I100A01FC-GAT

SPARE TIRE AND TOOLS



Your Hyundai is delivered with the following:

Spare tire and wheel
Wheel nut wrench, Wrench bar, Spanner, Driver Jack

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9. VEHICLE SPECIFICATIONS

J010A02B-GAT

MEASUREMENT

mm (in.)

Overall length		4695 mm (184.8in.)
Overall width		1840 mm (72.4in.)
Overall height (unladen)		1710 mm (67.3in.)
Wheel base		2830 mm (111.4in.)
Wheel tread	Front	1565 mm (61.6in.)
	Rear	1565 mm (61.6in.)

J020A01Y-GAT

POWER STEERING

Type	Rack and pinion
Wheel free play	0 ~ 30 mm (0 ~ 1.18 in.)
Rack stroke	150 mm (5.9 in.)
Oil pump type	Vane type

J060A01B-GAT

FUEL SYSTEM

Item	2.0 DOHC	2.7 V6	DIESEL
Fuel tank capacity	65 Liter	75 Liter	65 Liter

J030A02B-GAT

TIRE

Standard	215/65 R15

J040A02B-GAT

ELECTRICAL

Item	GASOLINE	DIESEL
Battery	MF 60AH/68 AH (Option)	CMF 90 AH
Alternator	110A (13.5 V)	120A (12V)

J050A01B-GAT

BRAKE

Type	Dual hydraulic with brake booster
Front brake type	Ventilated disc
Rear brake type	Ventilated disc
Parking brake	Cable operated on rear wheel

J070A04B-GAT

ENGINE

ITEMS		GASOLINE		DIESEL
		2.0 DOHC	2.7 V6	2.0 TCI
		4-Cyl., In-line DOHC	6-Cyl., V-type DOHC	4-Cyl., In-line SOHC
Borex Stroke		85 x 88	86.7 x 75	83 x 92
Displacement cu.in. (cc)		1997	2656	1991
Firing order		1 - 3 - 4 - 2	1 - 2 - 3 - 4 - 5 - 6	1 - 3 - 4 - 2
Valve clearance (warm engine)	Intake	Auto lash		
	Exhaust	Auto lash		
Spark plug gap	Unleaded	1.0 ~ 1.1 mm		-
	Leaded	0.7 - 0.8 mm		-
Idle speed (rpm)		750 ± 100	725 ± 100	800 ± 100
Ignition timing		BTDC 10° ± 5°	BTDC 12° ± 8°	-
Oil grade (API)		SH, SG or SG/CD ABOVE multigrade and fuel-efficient oil		API CF-4 or ABOVE ACEA B4 or ABOVE

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LUBRICATION CHART

Item		Oil & Grease Standard		Quantity (liter)
Engine Oil (Gasoline)		API SH/SG or ABOVE	SAE 20W-40, 20W-50 (ABOVE -10°C)	Drain and refill (With oil filter) 2.0 L : 4.3 2.7 L : 4.5
			SAE 15W-40, 15W-50 (ABOVE -15°C)	
			SAE 10W-30 (-25°C ~ 40°C)	
			SAE 10W-40, 10W-50 (ABOVE -25°C)	
			SAE 5W-20 (BELOW -10°C) *1, *2	
			SAE 5W-30 (BELOW 10°C) *1	
			SAE 5W-40 (BELOW 20°C) *1	
Engine Oil (Diesel)		API CF-4 or ABOVE, ACEA B4 or ABOVE	SAE 30 (0°C ~ 40°C)	Drain and refill(With oil filter) : 5.9 at Oil Pan : 5.4 (MAX) 3.8 (MIN)
			SAE 20W-40 (ABOVE -10°C)	
			SAE 15W-40 (ABOVE -15°C)	
			SAE 10W-30 (-20°C ~ 40°C)	
			SAE 5W-30 (-25°C ~ 10°C)	
			SAE 0W-30 (BELOW 10°C) *1, *2	
		*1. Restricted by driving condition and dealing area		
		*2. Not recommended for sustained high speed vehicle operation		
Engine oil consumption		Normal driving condition		MAX. 1L /1500 Km
		Severe driving condition		MAX. 1L /1000 Km
Transaxle	Manual	HYUNDAI GENUINE PARTS MTF 75W/90(API GL-4)		2.3
	Auto	DIAMOND ATF SP-III, SK ATF SP-III		7.8(2.0L)/8.5(2.7L, Diesel)
Coolant		Ethylene glycol base for aluminum		7(2.0L, 2.7L)/9.4(Diesel)
Power steering		PSF-3 TYPE FLUID		1.0
Brakes and clutch fluid		DOT 3 or DOT 4 Equivalent		As required

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