HYUNDAI

ACCENT VERNA

OWNER'S MANUAL

A030A01A-GAT

Operation
Maintenance
Specifications

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 all Hyundai models and includes descriptions and explanations of optional as well as standard equipment. As a result, you may find material in this manual that does not apply to your specific vehicle.

Please note that some 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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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.

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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 9-4 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, serious injury or death 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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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?

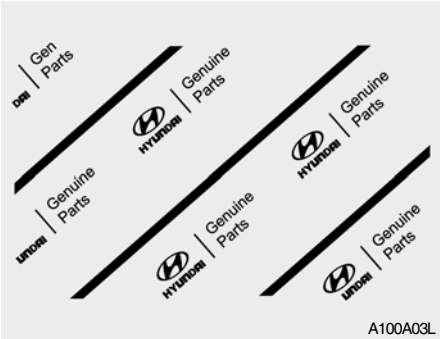
Hyundai Genuine Parts are engineered and built to meet rigid manufacturing requirements. Using imitation, counterfeit or used salvage parts are not covered under the Hyundai New Vehicle Limited Warranty or any other Hyundai warranty. In addition, any damage to or failure of Genuine Hyundai Parts caused 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 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 Dealership and Service Center.



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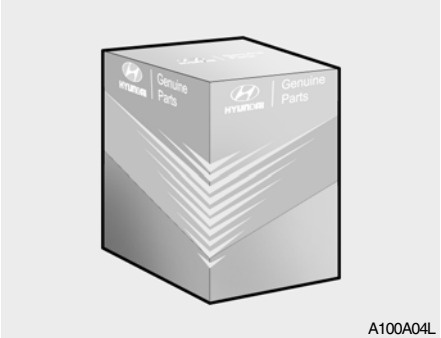
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CAUTION:

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

INSTRUMENTS AND CONTROLS
(RIGHT-HAND DRIVE)

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OMC019001R-1

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INDICATOR SYMBOLS ON THE INSTRUMENT PANEL

- AIR BAG — SRS (Airbag) Service Reminder Indicator (If Installed)
- OFF — Passenger's Front Airbag OFF Indicator Light (If Installed)
- ABS — ABS Service Reminder Indicator (If Installed)
- O/D OFF — O/D OFF Indicator Light (Automatic transaxle only)
- Turn Signal Indicator Lights
- High Beam Indicator Light
- Automatic Transaxle Position Indicator Light (If Installed)
- Low Oil Pressure Warning Light
- BRAKE — Parking Brake/Low Brake Fluid Level Warning Light
- Charging System Warning Light
- Door Ajar Warning Light
- Trunk Lid/Tail Gate Open Warning Light
- Low Fuel Level Warning Light
- CHECK — Malfunction Indicator Light (If Installed)
- Engine Coolant Temperature Warning Light
- Seat Belt Warning Light
- Immobilizer Warning Light (If Installed)
- EPS — Electronic Power Steering (EPS) System Warning Light (If Installed)
- ESP / ESP OFF — Electronic Stability Program Indicator Lights (If Installed)
- Diesel Pre-heat Indicator Light (Diesel only)
- Fuel Filter Warning Light (Diesel only)
- 120 km/h — Overspeed Warning Light (If Installed)

* More detailed explanations of these items will be found begining on page 1-60.

FEATURES OF YOUR HYUNDAI

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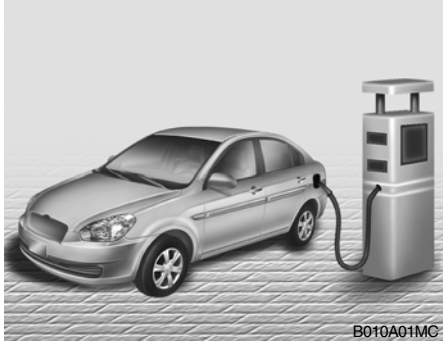
Use Unleaded Gasoline



For Europe – For the optimal vehicle performance, we recommend you to use unleaded gasoline with an octane rating of RON (Research Octane Number) 95 /AKI (Anti Knock Index) 91 or higher.
You may use unleaded gasoline with an octane rating of RON 91~94/AKI 87~90 but it may result in slight performance reduction of the vehicle.

Except Europe – 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

Diesel engine must be operated only on commercially available diesel fuel that complies with EN 590 or comparable standard. (EN stands for "European Norm").
Do not use marine diesel fuel, heating oils, or non-approved fuel additives, as this will increase wear and cause damage to the engine and fuel system. The use of non-approved fuels and / or fuel additives will result in a limitation of your warranty rights.
Diesel fuel of above cetane 52 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.**
- **In winter, in order to cut down incidents due to freezing, paraffin oil may be added to the fuel if the temperature drops to below -10°C. Never use more than 20% paraffin oil.**

Biodiesel

Commercially supplied biodiesel blends of no more than 5% biodiesel, commonly known as "B5 biodiesel" may be used in your vehicle if it meets EN 14214 or equivalent specifications. (EN stands for "European Norm"). The use of biofuels made from rapeseed methyl ester (RME), fatty acid methyl ester (FAME), vegetable oil methyl ester (VME) etc. or mixing diesel with biodiesel will cause increased wear or damage to the engine and fuel system. Repair or replacement of worn or damaged components due to the use of non approved fuels will not be covered by the manufactures warranty.

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Biodiesel (for New Zealand)

Commercially supplied biodiesel blends of no more than 5% biodiesel, commonly known as "B5 biodiesel" may be used in your vehicle if it meets EN 14214 or equivalent specifications. (EN stands for "European Norm"). The use of biofuels exceeding 5%, made from rapeseed methyl ester (RME), vegetable oil methyl ester (VME) etc. or mixing diesel exceeding 5% with biodiesel will cause increased wear or damage to the engine and fuel system. Repair or replacement of worn or damaged components due to the use of non approved fuels will not be covered by the manufactures warranty.

CAUTION:

- **Never use any fuel, whether diesel or B5 biodiesel that fails to meet the latest petroleum industry specification.**
- **Never use any fuel additives or treatments that are not recommended or approved by the vehicle manufacturer.**

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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 driveability 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.

BREAKING IN YOUR NEW HYUNDAI

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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).

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

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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).

- o While driving, keep your engine speed (rpm, or revolutions per minute) within 3,000 rpm.
- o While driving, keep under three quarters of maximum speed.
- o Use moderate acceleration. Don't start, depress the accelerator pedal fully.
- o For the first 300 km (200 miles), try to avoid hard stops.
- o 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).
- o Whether going fast or slow, vary your speed from time to time.
- o Don't let the engine idle longer than 3 minutes at one time.
- o Don't tow a trailer during the first 1,000 km (600 miles) of operation.

KEYS

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For greater convenience, the same key operates all the locks in your Hyundai. However, because the doors can be locked without a key, carrying a spare key is recommended in case you accidentally lock one key inside the car.

IMMOBILIZER SYSTEM

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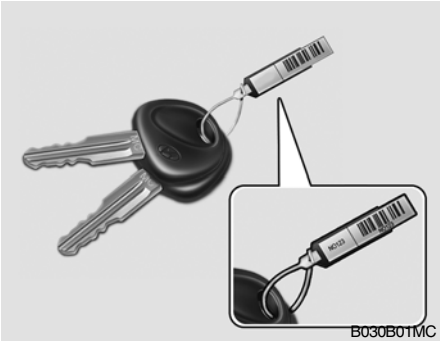
Record Your Key Number



A code number is recorded on the number tag that came with the keys to your Hyundai. This key number tag 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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(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.

WARNING:

In order to prevent theft of your vehicle, do not leave spare keys anywhere in your vehicle. Your immobilizer password is a customer unique password and should be kept confidential. Do not leave this number anywhere in your vehicle.

CAUTION:

- **When starting the engine, do not use the key with other immobilizer keys around. Otherwise the engine may not start or may stop soon after it starts. Keep each keys separately not to have any malfunction after you receive your new vehicle.**
- **Do not install the metal accessories near the key or ignition switch. The engine may not start for the metal accessories may interrupt the transponder signal from normally transmitting.**

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Key Numbers

The vehicle key number is recorded upon a number 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 number tag attached to the keys which bears the key number should be removed from the key string 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.

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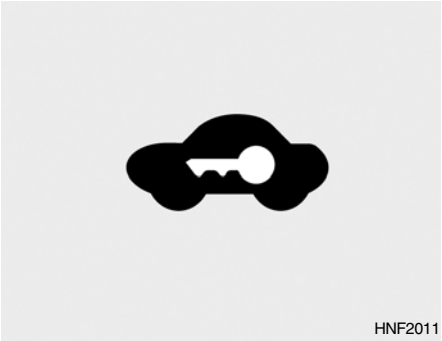
Limp Home Procedures



In case the immobilizer warning indicator blinks for five seconds when the ignition key is turned to "ON" position, this indicates that the 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 a sample 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 for 3~10 seconds.
3. You may set the remaining number of digits by following the same procedures 1 and 2.
4. If all of four digits have been tried successfully, turn the ignition key "ON" and check that the immobilizer indicator illuminates. 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.

NOTE:
If the engine dies while driving after limp home procedure, you can start your engine within 8 seconds without limp home procedure again.

5. If the immobilizer indicator blinks for five seconds, 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 fail to try the limp home procedure with the sequence of three times, you have to wait for about one hour to do the limp home procedure again.**
- **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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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 inadvertently 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.**
- **In case of accident, the door is unlocked automatically (If Installed).**

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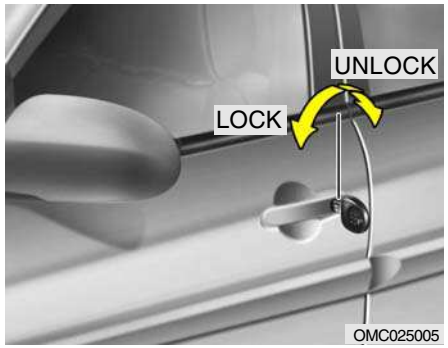
Locking and Unlocking Front Doors With a Key



- 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

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.

NOTE:

- **If your vehicle is equipped with central door locking system, the door will not lock if the key is left in the ignition switch when the front doors are closed.**
- **When locking the door this way, be careful not to lock the door with the ignition key left in the vehicle.**
- **To protect against theft, always remove the ignition key, close all windows, and lock all doors and the trunk lid (4 Door)/tail gate (3 Door) when leaving your vehicle unattended.**

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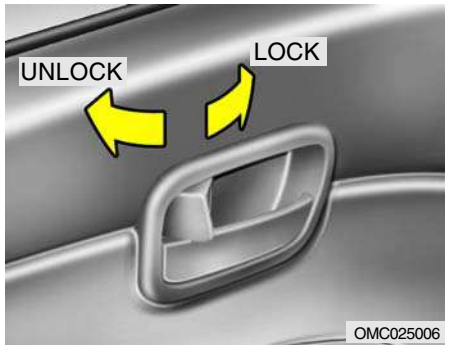
Locking From the Inside



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 inside door handle can be used.

NOTE:

When the door is locked, the red mark on the switch is not visible.

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Child-protector Rear Door Lock (4 Door)

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 " 🔓 " 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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Central Door Locks (If Installed)

The central door locking switch is located on the driver's arm rest. It is operated by depressing 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.**
- **The central door locking is operated by turning the key in the driver's door lock toward the front or rear of the vehicle.**
- **If the door is locked/unlocked multiple times in rapid succession with either the vehicle key or door lock switch, the system may stop operating temporarily in order to protect the circuit and prevent damage to system components.**

THEFT-ALARM SYSTEM

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(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 with blinking of the turn signal lights.

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Armed Stage

Park the car and stop the engine. Arm the system as described in the following paragraph.

1) Remove the ignition key from the ignition switch.
2) Make sure that all doors, trunk lid (4 Door) / tail gate (3 Door) and engine hood are closed and latched (For Europe).
   Make sure that all doors, tail gate (3 Door) and engine hood are closed and latched (Except Europe).
3) Lock the doors using the transmitter of the keyless entry system.

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

NOTE:

1) If any door, trunk lid (4 Door) / tail gate (3 Door) or engine hood remains open, the system will not be armed (For Europe).
If any door, tail gate (3 Door) or engine hood remains open, the system will not be armed (Except Europe).
If this happens, rearm the system as described above.
2) Once the system is armed, only the trunk lid (4 Door) may be unlocked using the ignition key without disarming the system (For Europe).

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.**
- **Avoid trying to start the engine while the system is armed (Without immobilizer system).**

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Alarm Stage

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

1) Any door, tail gate (3 Door) included, is opened without using the transmitter.
2) The trunk lid (4 Door) is opened without using the key (For Europe).
3) The engine hood is opened.

The alarming horn will sound and the turn signal lights will blink continuously for 27 seconds (For Europe, Middle East / Except Europe : This happens 3 times). To turn off the system, unlock the door with the transmitter.

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Disarmed Stage

B070D02AMC

The system will be disarmed when the driver's or passenger's door is unlocked by depressing the button on the transmitter after the system was armed.

After completion of the step above, the turn signal lights will blink twice to indicate that the system is disarmed.

If any door, trunk lid (4 Door) / tail gate (3 Door) included, is not opened within 30 seconds, the system will be rearmed (For Europe).
If any door, tail gate (3 Door) included, is not opened within 30 seconds, the system will be rearmed (Except Europe).

NOTE:
When the system is disarmed with the interior light switched to "DOOR", the interior light will illuminate for 30 seconds.

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;

Without immobilizer system:
1. **Unlock and open the door with the key, which will cause 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.**

With immobilizer system:
1. **Unlock and open the door with the key, which will cause the alarm to be activated.**
2. **Insert the key in the ignition key cylinder and turn the ignition key to "START" position.**

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

CAUTION:
Do not change, alter or adjust the theft-alarm system because it could cause the theft-alarm system to malfunction and should only be serviced by an authorized Hyundai dealer.
Malfunctions caused by improper alterations, adjustments or modifications to the theft-alarm system are not covered by your vehicle manufacturer warranty.

B070F03A-GAT

Keyless Entry System (If Installed)

Locking doors

1. Close all doors.
2. Push the 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 button on the transmitter once more after all doors were locked.
2. At the same time all doors unlock, the turn signal lights will blink twice to indicate that the system is disarmed.

NOTE:

The transmitter will not work if any of following occur:

- **The ignition key is in ignition switch.**
- **You exceed the operating distance limit (10 m).**
- **The battery in the transmitter is weak.**
- **Other vehicles or objects may be blocking the signal.**
- **The weather is extremely cold.**
- **The transmitter is close to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the transmitter.**

When the transmitter does not work correctly, open and close the door with the ignition key. If you have a problem with the transmitter, contact an authorized Hyundai Dealer.

NOTE:

Keep the transmitter away from water or any liquid. If the keyless entry system is inoperative due to exposure to water or liquids, it will not be covered by your manufacturer vehicle warranty.

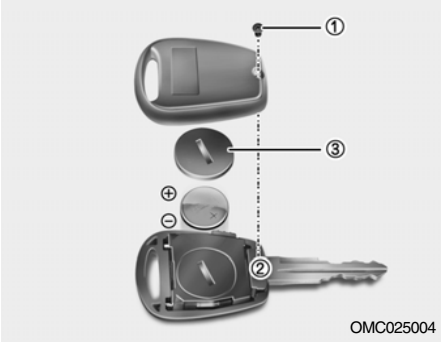
B070E02MC-AAT

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 : CR1220

Replacement instructions:

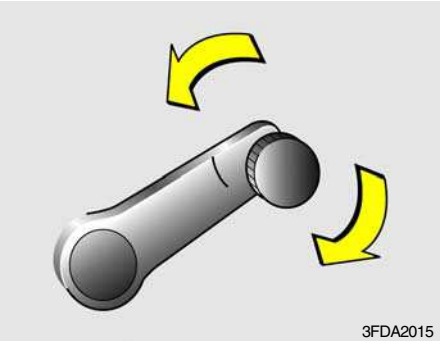


1. Remove the screw with a phillips screwdriver.
2. Carefully separate the case with a flat-head screwdriver.
3. Remove the battery cover with a coin.

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

CAUTION:
An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) or regulation.

B050A01MC-AAT

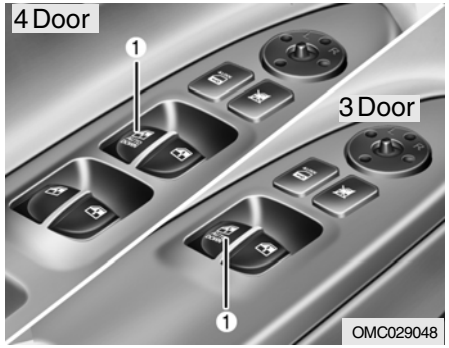


To lower or raise the window, turn the window regulator handle clockwise or counterclockwise.

WARNING:
When opening or closing the windows, make sure your passenger's arms, hands and body are safely out of the way.

B060A02MC-GAT

POWER WINDOWS (If Installed)



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 (4/3 Door) and rear windows (4 Door) 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.

NOTE:
While driving with the rear windows down or with the sunroof (if installed) in an open (or partially open) position, your vehicle may demonstrate a wind buffeting or pulsation noise. This noise is a normal occurrence and can be reduced or eliminated by taking the following actions. If the noise occurs with one or both of the rear windows down, partially lower both front windows approximately one inch. If you experience the noise with the sunroof open, slightly reduce the size of the sunroof opening.

OMC029049

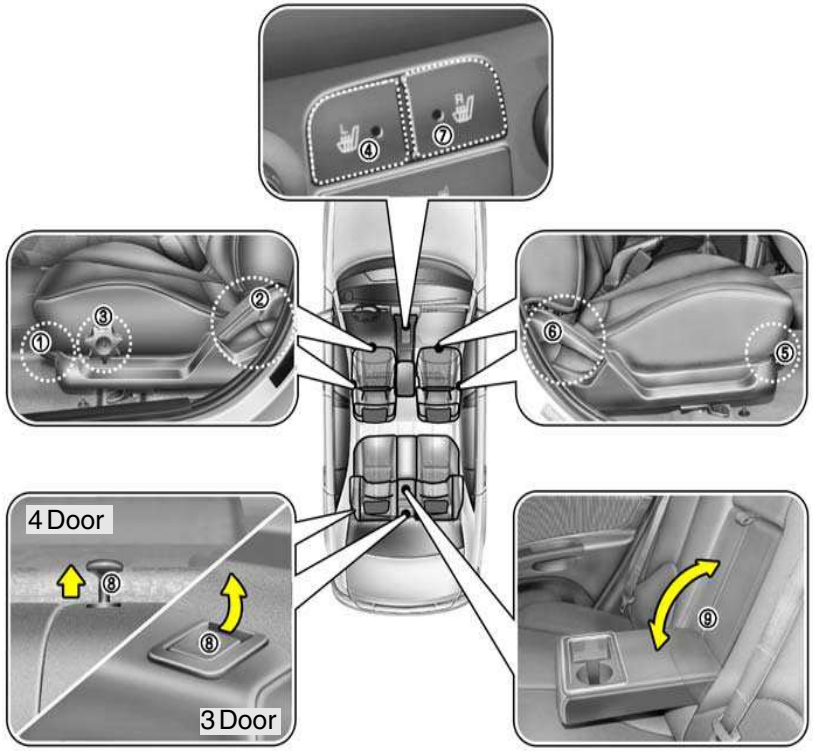
In order to prevent operation of the passenger front (4/3 Door) and rear windows (4 Door), a window lock switch (2) is provided on the armrest of the driver's door. To disable the power windows, press the window lock switch. To revert to normal operation, press the window lock switch a second time.

NOTE:
The power windows can be operated for 30 seconds after the ignition key is turned to the "ACC" or "LOCK" positions, or removed from the ignition switch. If the front doors are opened during this 30 second period, the power windows can no longer be operated without the ignition key turned to the "ON" position.

OMC025015

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.**

B080A01MC-GAT



OMC029025A

Driver's seat

1. Seat forward/rearward lock release lever
2. Seatback recliner control lever
3. Seat cushion height control lever (If Installed)
4. Seat warmer switch (If Installed)

Front passenger's seat

5. Seat forward/rearward lock release lever
6. Seatback recliner control lever
7. Seat warmer switch (If Installed)

Rear seats

8. Seatback folding lever (If Installed)
9. Armrest (If Installed)

B080A01FC-GAT

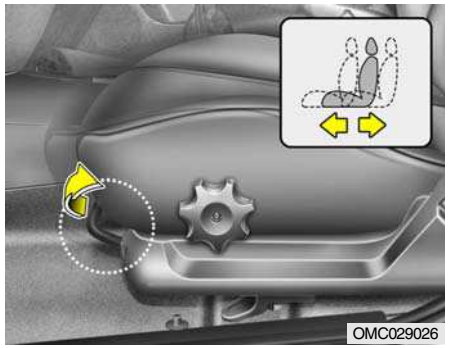
ADJUSTABLE SEATS

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.

B080B02FC-GAT

FRONT SEATS

Adjusting Seat Forward and Rearward

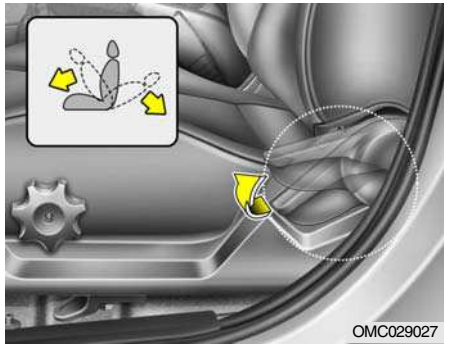

OMC029026

To move the seat toward the front or rear, pull the lock release lever upward. This will 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.

B080C01A-AAT

Adjusting Seatback Angle

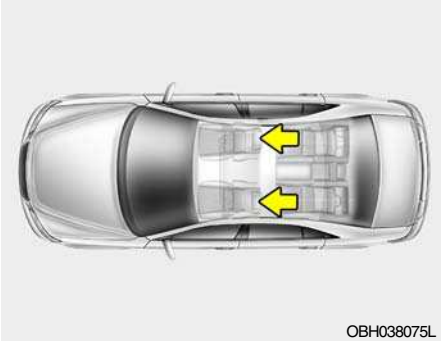

OMC029027

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. The seat belt cannot provide full protection to an occupant if the seatback is reclined.

C010104AMC

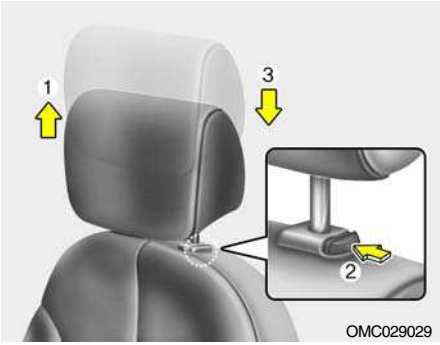
Headrest



The driver's and front passenger's seats are equipped with a headrest for the occupant's safety and comfort.
The headrest not only provides comfort for the driver and front passenger, but also helps to protect the head and neck in the event of a collision.

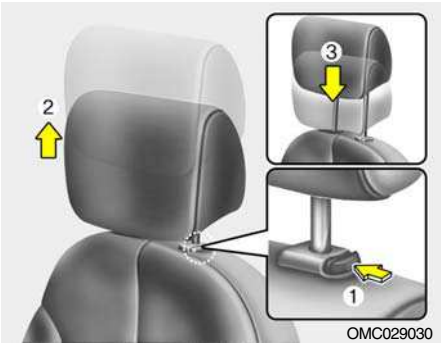
WARNING:
- **For maximum effectiveness in case of an accident, the headrest should be adjusted so the middle of the headrest is at the same height of the center of gravity of an occupant's head. Generally, the center of gravity of most people's head is similar with the height of the top of their eyes. Also, adjust the headrest as close to your head as possible. For this reason, the use of a cushion that holds the body away from the seatback is not recommended.**
- **Do not operate the vehicle with the headrests removed as severe injury to the occupants may occur in the event of an accident. Headrests may provide protection against neck injuries when properly adjusted.**
- **Do not adjust the headrest position of the driver's seat while the vehicle is in motion.**

Adjusting the height up and down



To raise the headrest, pull it up to the desired position (1). To lower the headrest, push and hold the release button (2) on the headrest support and lower the headrest to the desired position (3).

Removal

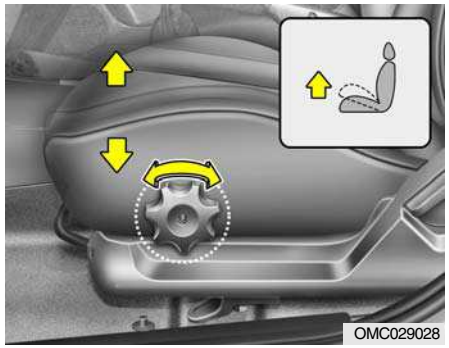


To remove the headrest, raise it as far as it can go then press the release button (1) while pulling upward (2).
To reinstall the headrest, put the headrest poles (3) into the holes while pressing the release button (1). Then adjust it to the appropriate height.

WARNING:
Make sure the headrest locks in position after adjusting it to properly protects the occupants.

B080F01MC-AAT

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



To raise or lower the front part of the seat cushion, turn the knob forward or rearward.

B100A01Y-AAT

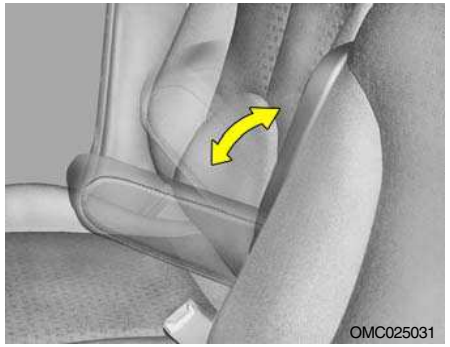
SEAT WARMER (If Installed)

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 that the operation of the seat warmer is not needed, keep the switches in the "OFF" position.

B080G01A-GAT

Adjusting Armrest Angle (Driver's side only) (If Installed)



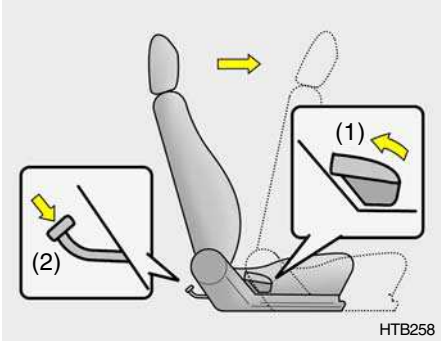
The armrest will be raised or lowered manually.

To raise the armrest, pull it up.

To lower it, press the armrest down.

B130A01A-AAT

REAR SEAT ENTRY (3 Door)



The front passenger's seatback should be tilted to enter the rear seat.

By pulling up on the recliner control lever (1) at the outside of the front passenger's seat, the seatback will tilt forward and the seat will automatically slide forward.

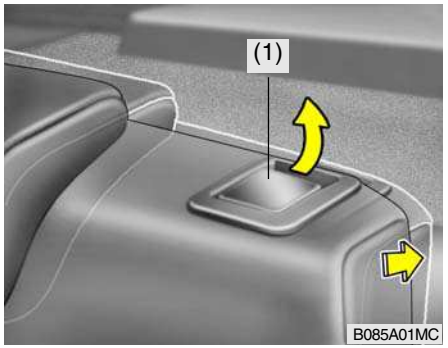
Rear seat occupants can tilt the front passenger's seatback by depressing the foot lever (2) as shown in the illustration.

WARNING:
Passengers sitting in the rear seat should be careful not to accidentally press the foot lever (2) while the vehicle is moving, as this may cause the seatback to move forward and injure a front seat occupant.

B085A01MC-GAT

REAR SEAT

Adjusting seatback angle (3 Door)

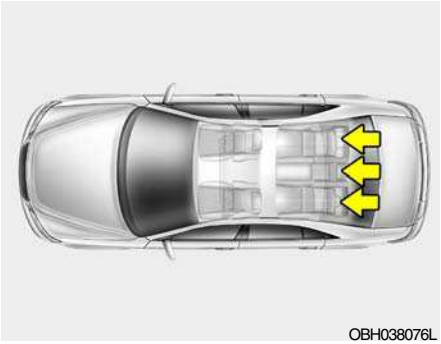


To recline the seatback, pull up the seatback folding lever (1) and push the seatback rearward. To return the seatback to an upright position, pull up the seatback folding lever (1) and pull the seatback forward until the seatback locks into upright position.
After adjusting the seatback angle, always check that it is securely locked into place.

WARNING:
Do not adjust the seatback angle while the vehicle is in motion.

C010303BUN

Headrest

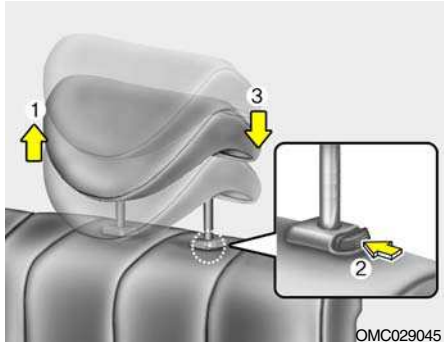


The rear seat(s) is equipped with headrests in all the seating positions for the occupant's safety and comfort.
The headrest not only provides comfort for passengers, but also helps to protect the head and neck in the event of a collision.

WARNING:

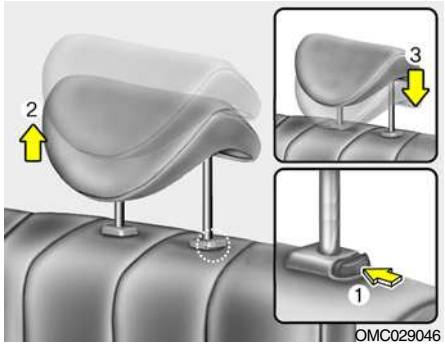
- **For maximum effectiveness in case of an accident, the headrest should be adjusted so the middle of the headrest is at the same height of the center of gravity of an occupant's head. Generally, the center of gravity of most people's head is similar with the height of the top of their eyes. Also, adjust the headrest as close to your head as possible. The use of a cushion that holds the body away from the seatback is not recommended.**
- **Do not operate the vehicle with the headrests removed as severe injury to an occupant may occur in the event of an accident. Headrests may provide protection against severe neck injuries when properly adjusted.**

Adjusting the height up and down (If Installed)



To raise the headrest, pull it up to the desired position (1). To lower the headrest, push and hold the release button (2) on the headrest support and lower the headrest to the desired position (3).

Removal (If Installed)



To remove the headrest, raise it as far as it can go then press the release button (1) while pulling upward (2).
To reinstall the headrest, put the headrest poles (3) into the holes while pressing the release button (1). Then adjust it to the appropriate height.

WARNING:

Make sure the headrest locks in position after adjusting it to properly protect the occupants.

B110A02MC-AAT

Folding Rear Seatbacks (If Installed)

The rear seatbacks may be folded to facilitate carrying long items or to increase the luggage capacity of the vehicle.

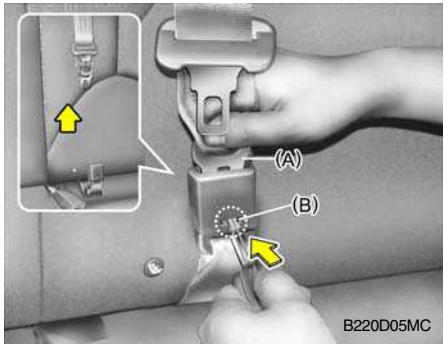
WARNING:

The purpose of the fold-down rear seatbacks is to allow you to carry longer objects than could otherwise be accommodated.
Never allow passengers to sit on top of the folded down seatback or cargo area while the car is moving as this is not a proper seating position and no seat belts are available for use. This could result in serious injury or death in case of an accident or sudden stop. Objects carried on the folded down seatback should not extend higher than the top of the front seats. This could allow cargo to slide forward and cause injury or damage during sudden stops.

To fold down the seatback :

1. Slide the front seats forward and adjust the front seatbacks to be upright before folding the rear seatbacks down.
2. Lower the rear seat headrests to the lowest position.

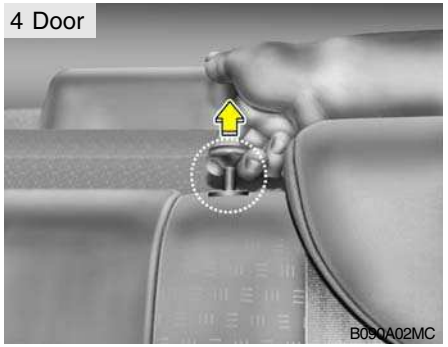
CAUTION:



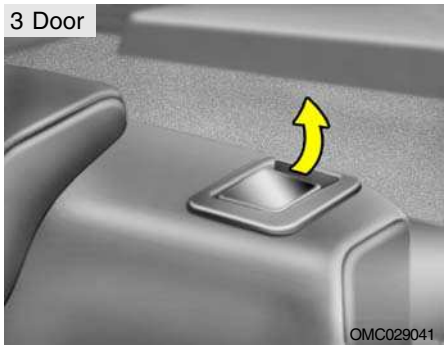
- **In order to prevent the center shoulder belt from being damaged while folding the rear seat, disconnect the metal tab (A) from the buckle (B). To disconnect the metal tab (A) from the buckle (B) , insert a narrow-ended tool into the groove located on the buckle (B) (If Installed).**

- **Before folding the seatback, insert the buckle in the pocket. This can prevent the buckle from being damaged by the seatback.**

4 Door



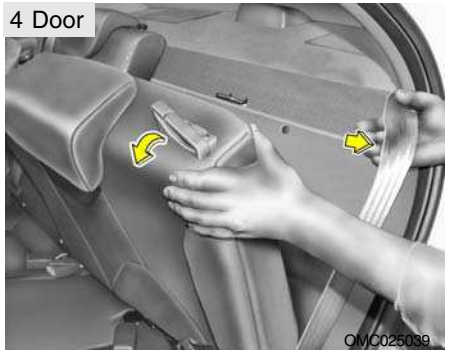
3 Door



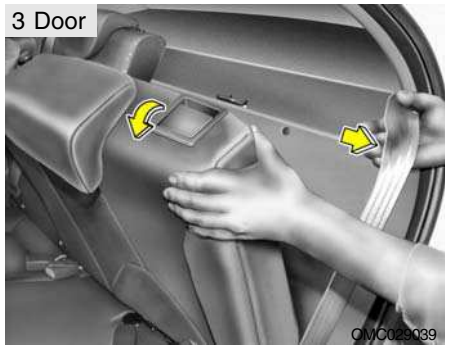
3. Pull up the seatback folding lever to release the seatback.

CAUTION:

4 Door

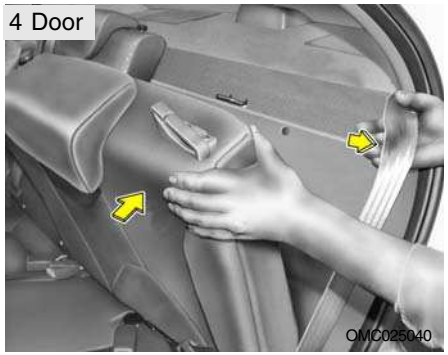


3 Door

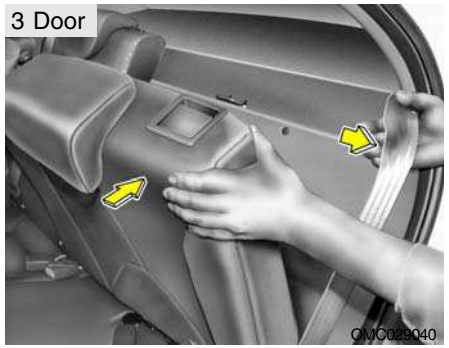


- **Move the rear lap/shoulder belt to the outside so that they don't interfere with the seatback when folding.**

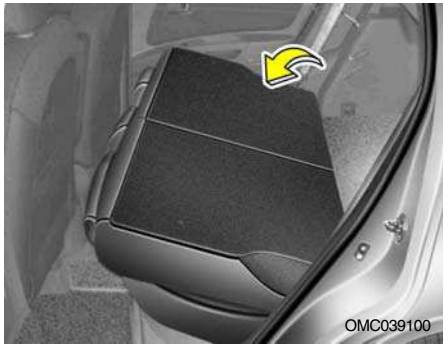
4 Door



3 Door



- **Move the rear lap/shoulder belt to the side so that it is clear of the seatback when returning to its upright position.**
- **Place the rear seat belt to the proper position.**



4. Fold down the seatback forward.

When you return the seatback to its upright position, always be sure it has locked into position by pushing on the top of the seatback.

WARNING:

When you return the rear seatback to its upright position after being folded down:
Be careful not to damage the seat belt webbing or buckle. Do not allow the seat belt webbing or buckle to get caught or pinched in the rear seat. Ensure that the seatback is completely locked into its upright position by pushing on the top of the seatback. Otherwise, in an accident or sudden stop, the seat could fold down and allow cargo to enter the passenger compartment, which could result in serious injury or death.

B140A01S-AAT

REAR SEAT WARNING

For the safety of all passengers, luggage or other cargo should not be piled higher than the top of the seatback. In addition, do not place objects on the rear shelf as they may move forward during braking or in an accident and strike vehicle passengers.

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, follow the other instructions provided in this section.

B150B01Y-GAT
Infant or Small Child

Some countries require the use of child restraint systems for infants 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.

C020302AKM
Restraint of pregnant women

Pregnant women should wear lap/shoulder belt assemblies whenever possible according to specific recommendations by their doctors. The lap portion of the belt should be worn AS SNUGLY AND LOW AS POSSIBLE.

WARNING- Pregnant women
Pregnant women must never place the lap portion of the safety belt over the area of the abdomen where the fetus is located or above the abdomen where the belt could crush the fetus during an impact.

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 back in the seat and wear your seat belt properly. See page 1-30.

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

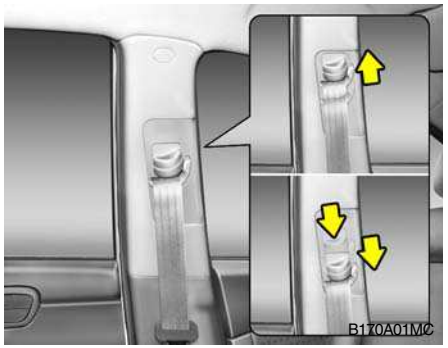
Seat belts should be kept clean and dry. If belts become dirty, they can be cleaned by using a mild soap solution and warm water. Bleach, dye, strong detergents or abrasives should not be used because they may damage and weaken the fabric.

B160D01A-AAT
When to Replace Seat Belts

Entire in-use 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.

B170A02MC-GAT

HEIGHT ADJUSTABLE FRONT SEAT SHOULDER BELT (If Installed)



You can adjust the height of the shoulder belt anchor to one of the 4 or 5 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.

CAUTION:

- **Adjust the shoulder belt height when you sit well back in the seat.**

- **When adjusting the shoulder belt height, grip the height adjuster button securely and slide the height adjuster up or down.**
- **If the shoulder belt anchor is not moved, grasp the shoulder part of the belt and pull forward to the full.**

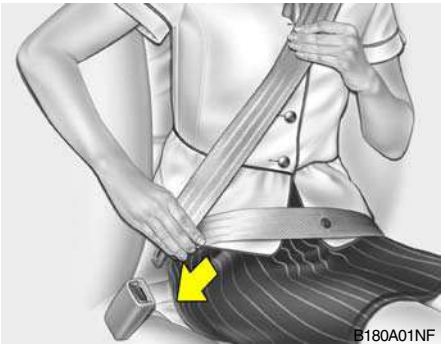
WARNING:

- **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.**

B180A01MC-GAT

SEAT BELTS 3-Point System with Emergency Locking Retractor

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.

NOTE:

If the seat belt is not fastened when the ignition key is turned from the "OFF" position to the "ON" position, the seat belt warning will activate to remind the driver to fasten the seat belt as follows.

B260E01TB-GAT

Seat Belt Warning Light (Except E.C)

The seat belt warning light blinks for about 6 seconds when the ignition key is turned from the "OFF" position to the "ON".

B265E01MC-GAT

Seat Belt Warning Light and Chime (E.C only)

The seat belt warning light and chime will activate to the following table.

User (Driver) Condition		Seat Belt WarningLight
Seat Belt	Ignition Switch	
Unbuckled	ON	Stay on until buckled up
Buckled	ON	Come on for 6 seconds
Unbuckled	ON *1	Blink until buckled up
Buckled → Unbuckled	START *2	Blink until buckled up*3

*1) When the ignition key is turned from "OFF" position to "ON" within 1 minute.

*2) The switch returns to "ON" when you let go of the key.

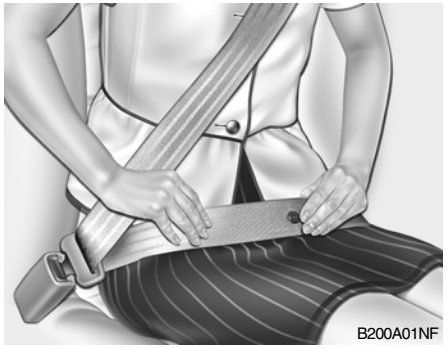
*3) If the vehicle speed exceeds 9km/h, the seat belt chime also sounds for about 1~2 minutes.
If the vehicle speed is below 9km/h, 1 minute later the seat belt chime also sounds for about 1~2 minutes.

NOTE:

If the driver's seat belt is operated in this order "unbuckled → buckled → unbuckled" within 9 seconds after the seat belt is buckled, the seat belt warning light and chime will not activate.

B200A01S-GAT

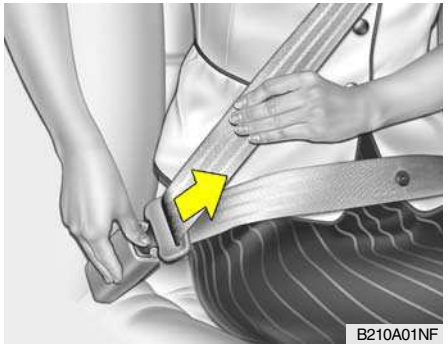
Adjusting Your Seat Belt



You should place the belt as low as possible on your hips, not on your waist. If the belt is located too high on your body, you could slide under it in case of accident or a sudden stop. This could result of death, serious injury or property damage. Both arms should not be under or over the belt. Rather, one should be over and the other under, as shown in the illustration.
Never wear the seat belt under the arm nearest the door.

B210A01A-AAT

To Release the Seat Belt

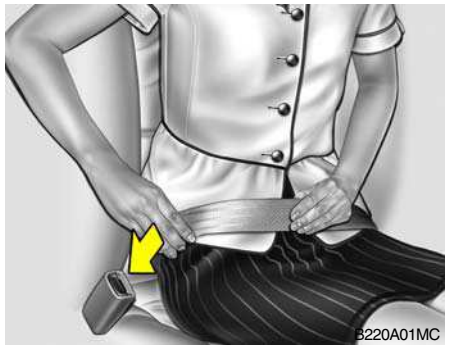


The seat belt is released by pressing the release button in the locking buckle. When it is released, the belt should automatically draw back into the retractor.
If this does not happen, check the belt to be sure it is not twisted, then try again.

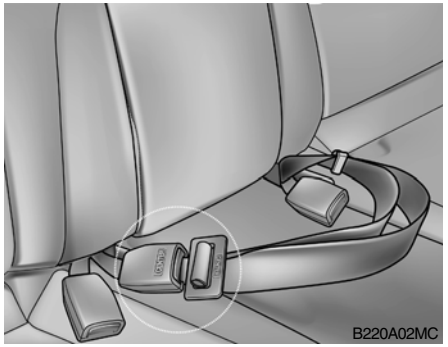
B220A01MC-AAT

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

To Fasten Your Seat Belt



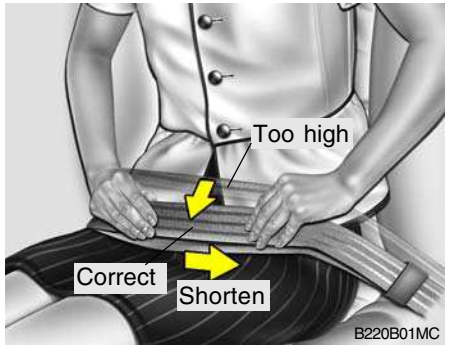
To fasten a 2-point static type belt, insert the metal tab into the locking buckle. There will be an audible "click" when the tab locks into the buckle. Check to make sure the belt is properly locked and that the belt is not twisted.



NOTE:
Confirm the metal tab and the buckle marked "CENTER" are latched together.

B220B01A-AAT

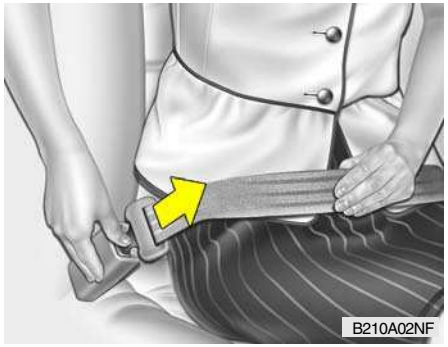
Adjusting Your Seat Belt



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.

B220C01A-AAT

To Release the Seat Belt

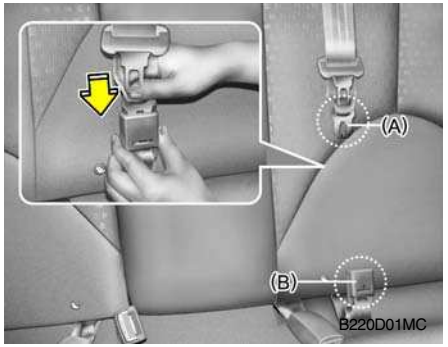


When you want to release the seat belt, press the button in the locking buckle.

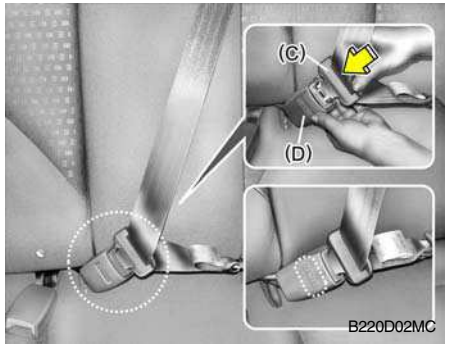
WARNING:
The center lap belt latching mechanism is different from those for the rear seat shoulder belts. When fastening the rear seat shoulder belts or the center lap belt, make sure they are inserted into the correct buckles to obtain maximum protection from the seat belt system and assure proper operation.

B220D01MC-AAT

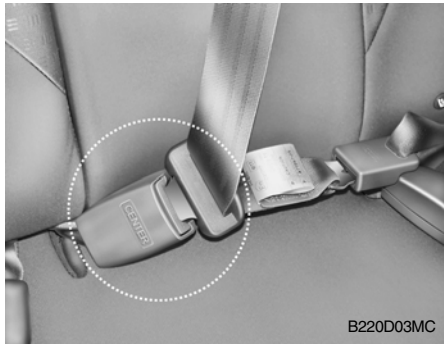
SEAT BELTS - Rear Seat Center 3-Point System With Emergency Locking Retractor (If Installed)



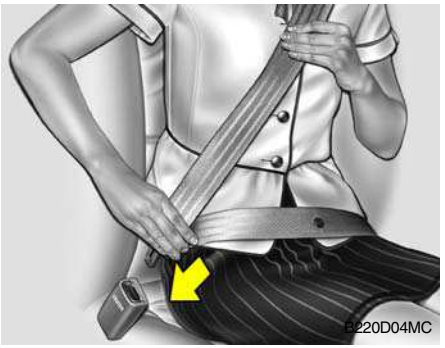
1. Before fastening the rear seat center belt, confirm the metal tab (A) and buckle (B) are latched together.



2. After confirming that (A) and (B) are latched, pull the seat belt out of the retractor and insert the metal tab (C) into the buckle (D).



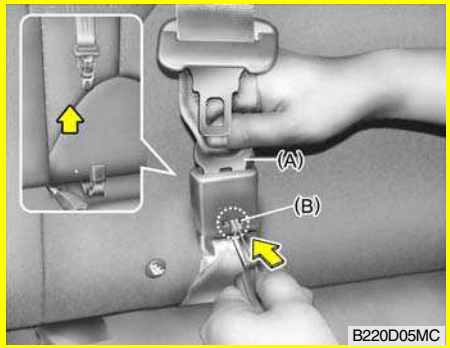
NOTE:
Confirm the metal tab and the buckle marked "CENTER" are latched together.



There will be an audible "click" when the tab locks in 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, the belt will lock into position. It will also lock if you try to lean forward too quickly.

WARNING:

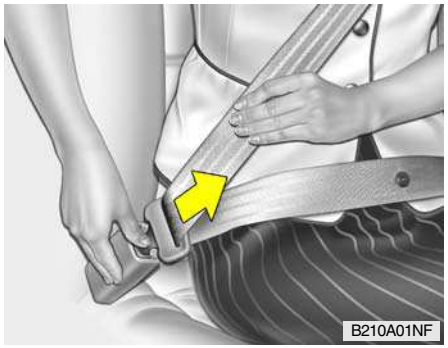
- **When using the rear seat center belt, you must lock all metal tabs and buckles. If any metal tab or buckle is not locked, it will increase the chance of injury in the event of collision.**
- **Never unlock the metal tab (A) and the buckle (B) with the following exceptions.**
  (1)In case of folding rear seatbacks down.
  (2)If transporting an object on the rear seat may cause damage to the rear seat center belt.



- **To disconnect the metal tab (A) from the buckle (B), insert a narrow-ended tool into the groove located on the buckle (B).**
- **Lock the metal tab (A) and the buckle (B) immediately after folding rear seatbacks up.**

B220C02A-GAT

To Release the Seat Belt



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

WARNING:
When fastening the outboard seat belts or the center seat belt, make sure they are inserted into the correct buckles to obtain maximum protection from the seat belt system and assure proper operation.

B230A04A-GAT

(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). Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt, or by a tether anchor and/or ISOFIX anchors (If Installed). Children could be injured or killed 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 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's 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, store it in the trunk or fasten it with a safety belt so that it will not be thrown forward in the case of a sudden stop or an accident.**

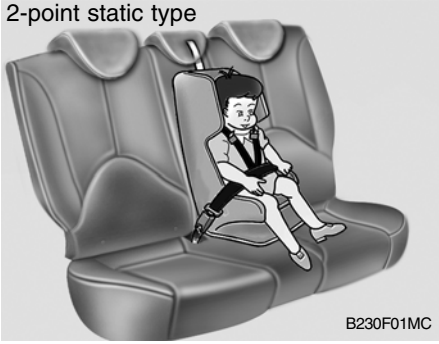
- **Children who are too large to be in a child restraint should sit in the rear seat and be restrained with the available lap/shoulder belts. Never allow children to ride in the front passenger seat.**
- **Always make sure that the shoulder belt portion of the outboard lap/shoulder belt is positioned 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.**
- **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.**
- **If the child restaint seat is not anchored properly, the risk of a child being seriously injured or killed in a collision greatly increases.**

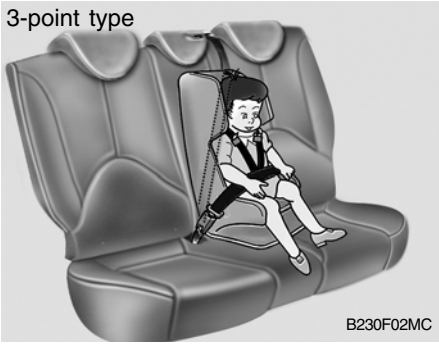
B230F01A-AAT

Installation on Rear Seat Center Position

2-point static type



3-point type

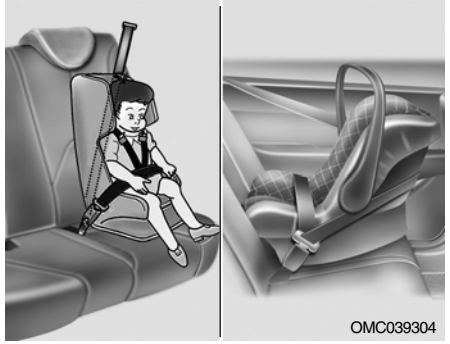


Use the center seat belt for the rear to secure the child restraint system as illustrated.

After installation of the child restraint system, rock the child seat back and forth, and side to side to ensure that it is properly secured by the seat belt.
If the child seat moves, readjust the length of the seat belt. Then, if equipped, insert the child restraint tether strap hook into the child restraint hook holder and tighten to secure the seat. Always refer to the child restraint system manufacturer's recommendation before installing the child restraint system in your vehicle.

B230G02JM-GAT

Installation on Outboard Rear Seats



To install a child restraint system in the outboard rear seats, extend the shoulder/lap belt from its retractor. Install the child restraint system, buckle the seat belt and allow the seat belt to take up any slack. Make sure that the lap portion of the belt is tight around the child restraint system and the shoulder portion of the belt is positioned so that it cannot interfere with the child's head or neck. After installation of the child restraint system, try to move it in all directions to be sure the child restraint system is securely installed.

If you need to tighten the belt, pull more webbing toward the retractor.

NOTE:

- **Before installing the child restraint system, read the instructions supplied by the child restraint system manufacturer.**
- **If the seat belt does not operate as described, have the system checked immediately by your authorized Hyundai dealer.**

WARNING:

- **Do not install any child restraint system in the front passenger 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. Therefore, only use a child restraint system in the rear seat of your vehicle.**
- **Before installing a Child Restraint System to vehicles fitted with Curtain Airbags, always refer to safety notices for Curtain Airbag systems in this manual. Whenever installing child restraints, use only approved devices and refer to the "Child Restraint System" section to ensure correct installation and that occupant protection is maximized.**

B230H01MC-GAT

Child Seat Restraint Suitability For Seat Position Using the Seat Belt

Use child safety seats that have been officially approved and are appropriate for your children. When using the child safety seats, refer to the following table.

Age Group	Seating Position		
	Front Passenger	Rear Outboard	Rear Center
0 : Up to 10 kg (0 ~ 9 months)	L1, L2, L3, L4	U	U
0+ : Up to 13 kg (0 ~ 9 months)	L1, L2, L3, L4	U	U
I : 9kg to 18kg (9 months ~ 4 years)	L5, L7, L8	U, L10	U
II & III : 15kg to 36kg (4 ~ 12 years)	L6, L9	UF	UF

L1 : Suitable for Bebe comfort ELIOS (E2 037014) approved for the use in this mass group

L2 : Suitable for PegPerego primo Viaggio (E13 030010) approved for the use in this mass group

L3 : Suitable for Bebe comfort iSEOS (E2 039014) approved for the use in this mass group

L4 : Suitable for GRACO Autobaby (E11 03.44.160/E11 03.44.161) approved for the use in this mass group

L5 : Suitable for Romer Lord Plus (E1 03301136) approved for the use in this mass group

L6 : Suitable for Euro Kids Star (E1 03301127/E1 03301129) approved for the use in this mass group

L7 : Suitable for BeSafe iZi COMFORT (E4 03443206) approved for the use in this mass group

L8 : Suitable for MAXI-COSI Priori XP (E1 03301153) approved for the use in this mass group

L9 : Suitable for Bebe comfort HiPSOS(E2 031011) approved for the use in this mass group

L10 : Suitable for "ROMER ISOFIX GR1" approved for the use in this age group Approval No (E1 R44-04301133)

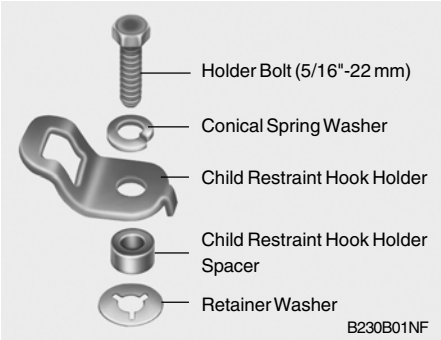
U : Suitable for "universal" category restraints approved for use in this mass group

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

WARNING:
We recommends that a child restraint seat be installed in the rear seat, even if the passenger's front airbag switch is set to "OFF".
To ensure the safety of your child, the passenger's front airbag must be deactivated when it should be necessary to install a child restraint seat on the front passenger seat in exceptional circumstances.

B230B02A-GAT

Using a Child Restraint System with "Tether Anchorage" System

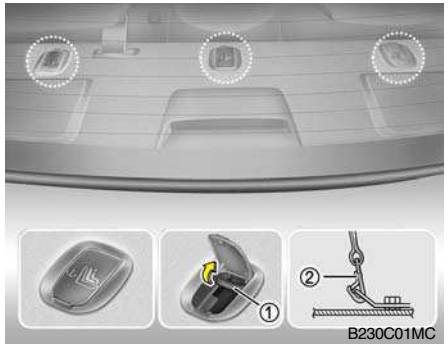


For small children and babies, the use of a child seat or infant seat is required. This child seat or infant seat should be of appropriate size for the child and should be installed in accordance with the manufacturer's instructions. It is further required that the seat be placed in the vehicle's rear seat since this can make an important contribution to safety. Your vehicle is provided with three child restraint hook holders for installing the child seat or infant seat.

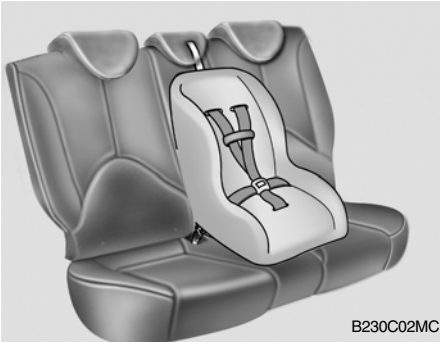
B230C03A-GAT

Securing a Child Restraint System with "Tether Anchorage" System (4 Door)

Three child restraint hook holders are located on the rear seat package tray.



1. Open the tether anchor cover on the rear seat package tray.



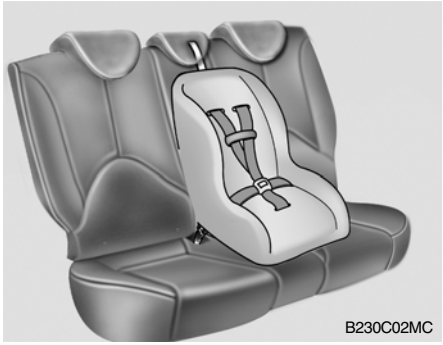
2. Route the child restraint seat strap over the seatback.
   For vehicles with adjustable headrests, route the tether strap under the headrest and between the headrest posts, otherwise route the tether strap over the top of the seatback.
3. Connect the tether strap hook (2) to the child restraint hook holder (1) and tighten to secure the seat.

B230E01MC-GAT

Securing a Child Restraint System with "Tether Anchorage" System (3 Door)

Three child restraint hook holders are located on the rear floor panel.

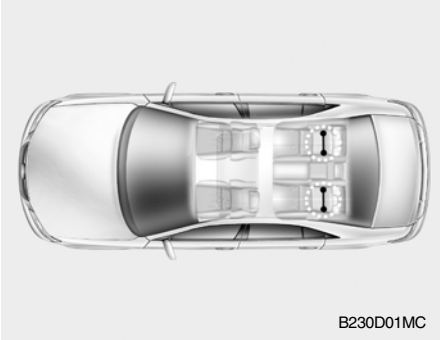
1. Open the tether anchor cover on the rear floor panel.



2. Route the child restraint seat strap over the seatback.
   For vehicles with adjustable headrests, route the tether strap under the headrest and between the headrest posts, otherwise route the tether strap over the top of the seatback.
3. Connect the tether strap hook (2) to the child restraint hook holder (1) and tighten to secure the seat.

B230D02MC-GAT

Using a Child Restraint System with "ISOFIX" System and "Tether Anchorage" System

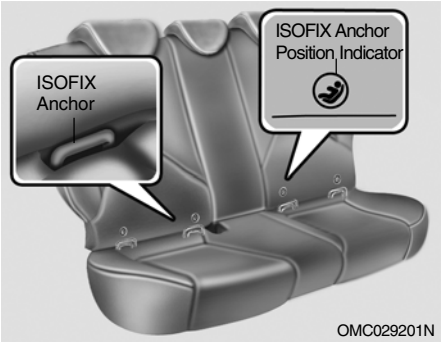


ISOFIX is a standardised method of fitting child seats that eliminates the need to use the standard adult seat belt to secure the seat in the vehicle. This enables a much more secure and positive location with the added benefit of easier and quicker installation.

An ISOFIX-seat can only be installed if it has vehicle-specific approval in accordance with the requirements of ECE-R44. For your Hyundai, the Hyundai ISOFIX GR1 / Hyundai Duo / Römer ISOFIX GR1 and the Römer Duo ISOFIX / Britax Duo ISOFIX is approved according to the requirement ECE-R44. This seat has been tested extensively by Hyundai and is recommended for your Hyundai.

NOTE:

At present, this seat is the only one complying with that provision. In case that other manufacturers will furnish proof of a respective certification, Hyundai is going to evaluate this seat carefully and will give a recommendation provided that seat complies to the law. Please ask your Hyundai dealer in this respect.

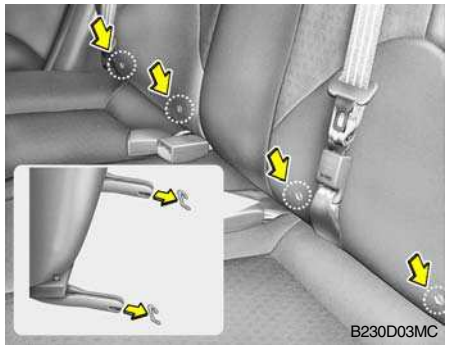


On each side of the rear seat, between the cushion and backrest, are located a pair of ISOFIX anchorage points together with a top tether mounting on the rear seat package tray (4 Door) or the rear floor panel (3 Door).
During the installing, the seat has to be engaged at the anchorage-points in a way you can hear it clicking (check by pulling!) and has to be fixed with the Top Tether-belt on the belonging point of the rear seat package tray (4 Door) or rear floor panel (3 Door). The installing and the use of a child-seat has to be done according to the installing-manual, which is added to the ISOFIX-seat.

NOTE:

An ISOFIX-child-seat can only be installed if the seat has a vehicle-specific approval according to ECE-R44. Before using the ISOFIX-child-seat, which was bought for another car, ask your Hyundai-dealer whether this seat-type is approved and recommended for your Hyundai.

To secure the child restraint seat



1. To engage the child restraint seat to the ISOFIX anchor, insert the child restraint seat latch into the ISOFIX anchor. Listen for the audible "click" sound.

CAUTION:
Do not allow the rear seat belt webbing to get scratched or pinched by the ISOFIX-seat latch and ISOFIX anchor during the installation.

2. Connect the tether strap hook to the child restraint hook holder and tighten to secure the seat. Refer to "Securing a Child Restraint System with the Tether Anchorage System" on page 1-38.

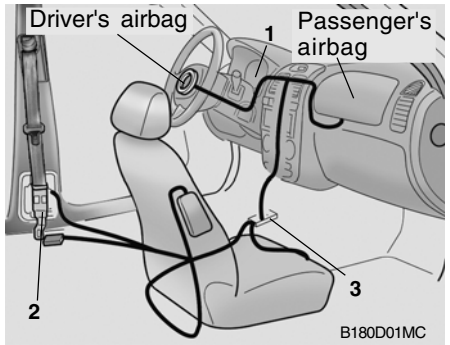
WARNING:
- **Do not install a child restraint seat at the center of the rear seat using the vehicle's ISOFIX anchors. The ISOFIX anchors are only provided for the left and right outboard rear seating positions. Do not misuse the ISOFIX anchors by attempting to attach a child restraint seat in the middle of the rear seat to the ISOFIX anchors. In a crash, the child restraint seat ISOFIX attachments may not be strong enough to secure the child restraint seat properly in the center of the rear seat and may break, causing serious injury or death.**
- **When using the vehicle's "ISOFIX" system to install a child restraint system in the rear seat, all unused vehicle rear seat belt metal latch plates or tabs must be latched securely in their seat belt buckles and the seat belt webbing must be retracted behind the child restraint to prevent the child from reaching and taking hold of unretracted seat belts. Unlatched metal latch plates or tabs may allow the child to reach the unretracted seat belts which may result in strangulation and a serious injury or death to the child in the child restraint.**
- **Do not mount more than one child restraint to a child restraint lower anchorage point. The improper increased load may cause the anchorage points or tether anchor to break, causing serious injury or death.**
- **Attach the ISOFIX or ISOFIX-compatible child restraint seat only to the appropriate locations shown in the illustration.**
- **Always follow the installation and use instructions provided by the manufacturer of the child restraint.**

B180B02MC-GAT

Pre-tensioner Seat Belt (If Installed)

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.**

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. The pre-tensioners will be activated even if the seat belts are not being worn at the time of the collision.**
- **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 pre-tensioner seat belt, the SRS airbag warning light AIR BAG on the instrument panel will illuminate for approximately 6 seconds after the ignition key has been turned to the "ON" position, and then it should turn off.
- If pre-tensioner seat belt is not working properly, this warning light will illuminate even if there is no malfunction of the SRS airbag.

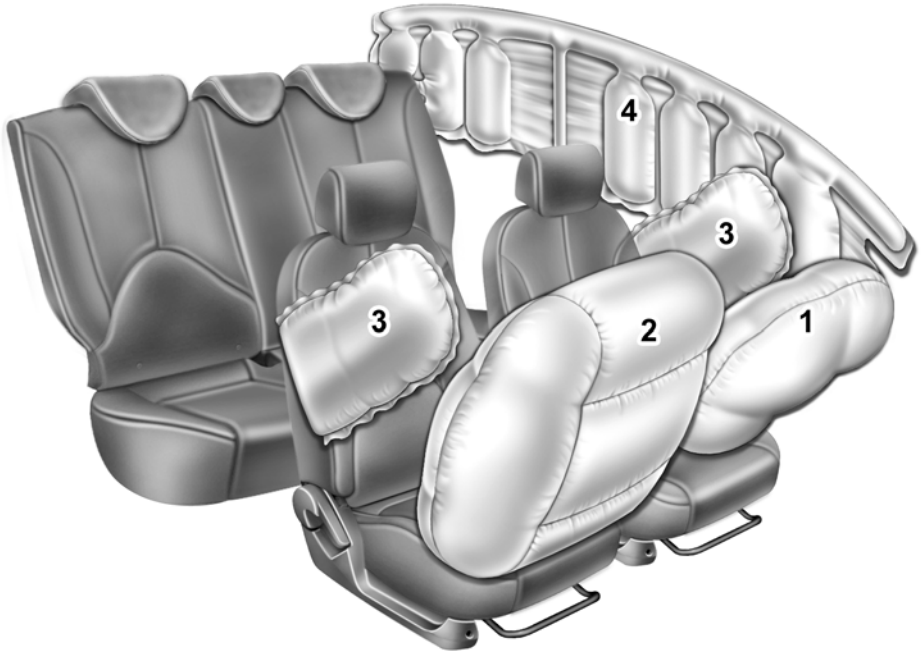
If the SRS airbag warning light does not illuminate when the ignition key is turned to "ON", or if it blinks for a second and remains illuminated after illuminating for approximately 6 seconds, or if it illuminates while the vehicle is being driven, please have an authorized Hyundai dealer inspect the pre-tensioner seat belt or 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.
- If the vehicle or pre-tensioner seat belt must be discarded, contact an authorized HYUNDAI dealer.

B240D01MC-GAT

(If Installed)



1. Driver's front airbag
2. Passenger's front airbag
3. Front side impact airbag
4. Curtain airbag

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Driver's and Passenger's Front Airbag

Driver's Front Airbag

B240A01MC

Your Hyundai is equipped with a Supplemental Restraint (Airbag) System and lap/shoulder belts at both the driver and passenger seating positions. 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 front passenger's 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 front passenger's panel above the glove box.

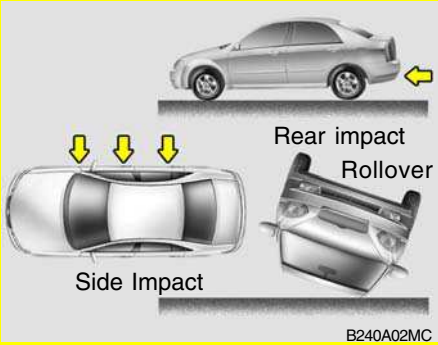
The purpose of the SRS is to provide the vehicle's driver or the front passenger with additional protection than that offered by the seat belt system alone, in case of a frontal impact of sufficient severity.

NOTE:

Be sure to read information about the SRS on the labels provided on the topside of the sun visor.

WARNING:

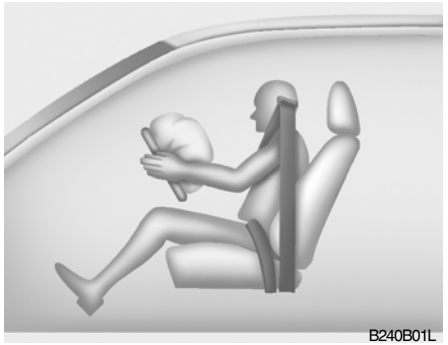
- **As its name implies, the SRS is designed to work with, and be supplemental to, the driver's and the passenger's three point seat belt systems and is not a substitute for them. Therefore your seat belts must be worn at all times while the vehicle is in motion. The airbags deploy only in certain frontal 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 deploy.
- If the airbags deploy, 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 (teenagers 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.

B240B01MC-GAT

SRS Components and Functions

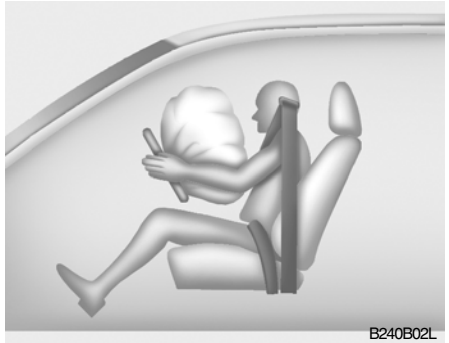


The SRS consists of the following components:

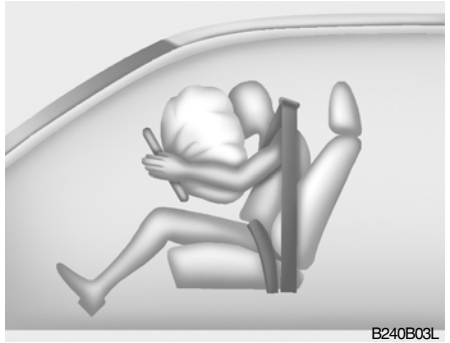
- Driver's Airbag Module
- Passenger's Front Airbag Module
- SRS Service Reminder Indicator (SRI)
- SRS Control Module (SRSCM)

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 illuminate 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.

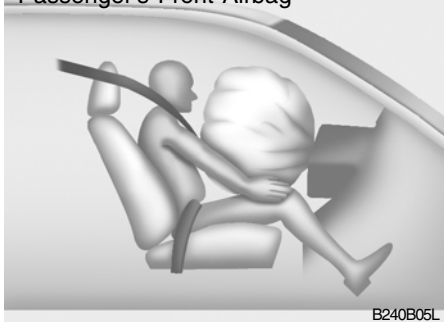
After complete inflation, the airbag immediately starts deflating, enabling the driver to maintain forward visibility.

Passenger's Front Airbag

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.

Passenger's Front Airbag



WARNING:

- **When the SRS is activated, there may be a loud noise and fine dust will be released throughout 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 is not working properly,
  (1) The SRS SRI does not come on when the ignition key is turned to the "ON" position or after the engine is started.
  (2) The SRS SRI blinks for a second and remains on after illuminating for about 6 seconds when the ignition key is turned to the "ON" position or after the engine is started.
  (3) The SRS SRI illuminates while driving.
  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.**

B990A02MC-GAT

Passenger's Front Airbag ON/OFF Switch (If Installed)

The passenger's front airbag can be deactivated by the passenger's front airbag ON/OFF switch (1) if a child restraint is installed on the front passenger's seat or if the front passenger's seat is unoccupied by a person.
To ensure the safety of your child, the passenger's front airbag must be deactivated when it should be necessary to install a rearward facing child seat on the front passenger seat in exceptional circumstances.

WARNING:
The front air bag ON/OFF switch could turn by using a similar small rigid device. Always check the status of the front air bag ON/OFF switch and passenger's front air bag OFF indicator.

To deactivate or reactivate the passenger's front airbag

To deactivate the passenger's front airbag, insert the ignition key into the passenger's front airbag ON/OFF switch on the right side of the crash pad and turn it to the "OFF" position. The passenger's front airbag OFF indicator will illuminate and stay on until the passenger's front airbag is reactivated.

To reactivate the passenger's front airbag, insert the ignition key into the passenger's front airbag ON/OFF switch and turn it to the "ON" position. The passenger's front airbag OFF indicator will go out.

CAUTION:

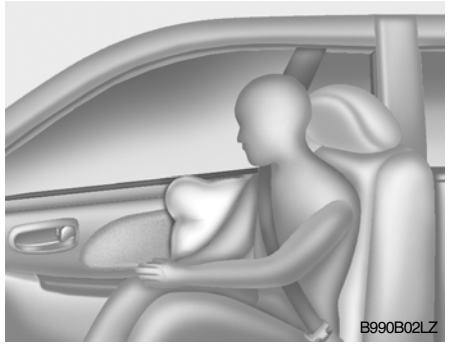
- **If the passenger's front airbag ON/OFF switch is not working properly, the SRS warning light on the instrument panel will illuminate. And, the passenger's front airbag OFF indicator will not illuminate, the SRSCM(SRS Control Module) reactivate the passenger's front airbag and the passenger's front airbag will inflate in frontal impact crashes even if the passenger's front airbag ON/OFF switch is set to "OFF" position.**
  If this occurs, have an authorized Hyundai dealer inspect the passenger's front airbag ON/OFF switch, the pre-tensioner seat belt system and the SRS airbag system as soon as possible.
- **If the SRS airbag warning light does not illuminate when the ignition key is turned to the "ON" position, or if it illuminates while the vehicle is being driven, have an authorized Hyundai dealer inspect the passenger's front airbag ON/OFF switch, pre-tensioner seat belt and the SRS airbag system as soon as possible.**

WARNING:

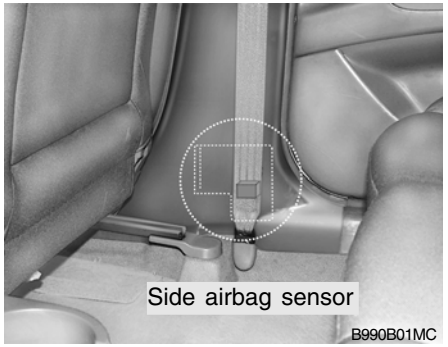
- **The driver is responsible for the proper position of the passenger's front airbag ON/OFF switch.**
- **Deactivate the front passenger's airbag only when the ignition switch is switched off, or the malfunction may occur in the SRSCM (SRS Control Module). And there may be a danger that the driver's and/or passenger's front and/or side and curtain airbag may fail to trigger, or not trigger correctly during a collision.**
- **Never install a rearward facing child seat on the front passenger's seat. The infant or child could be severely injured or killed by an airbag deployment in case of an accident.**
- **Even though your vehicle is equipped with the passenger's airbag ON/OFF switch, do not install a child restraint system in the front passenger's seat. A child restraint system must never be placed in the front seat. Children who are too large for child restraint systems should always occupy the rear seat and use the available lap/shoulder belts. 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.**
- **As soon as deactivation is no longer needed, reactivate the front passenger's airbag.**

B990B01MC-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.



Important Safety Notes on the Side Impact Airbag system

Following are a number of safety points concerning this system which should always be observed to ensure risk of injury is reduced in an accident.

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 reduce or prevent 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 airbag inflates.**
- **To prevent unexpected deployment of the side impact air bag that may result in personal injury, avoid impact to the side impact airbag sensor when the ignition key is on.**

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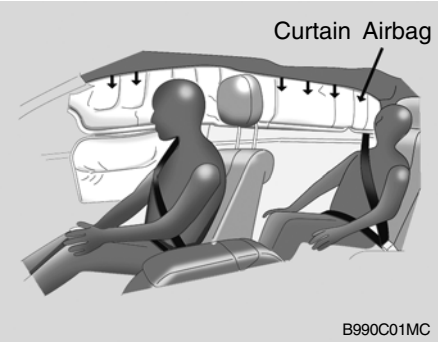
Curtain Airbag (If Installed)



Curtain airbags are located along both sides of the roof rails above the front and rear doors.
They are designed to help protect the heads of the front seat occupants and the rear outboard seat occupants in certain side impact collisions.

The curtain airbags are designed to deploy only during certain side impact collisions, depending on the crash severity, angle, speed and impact. The curtain airbags are not designed to deploy in all side impact situations, collisions from the front or rear of the vehicle or in most rollover situations.

Important Safety Notes for Curtain Airbag Systems

Following are a number of safety points concerning this system which should always be observed to ensure risk of injury is reduced in an accident.

WARNING:

- **Before installing child restraints, always refer to "Child Restraint System" section to ensure correct installation and that occupant protection is maximized.**
- **Make sure that the occupant does not have any body parts (head, arms & legs) protruding outside the restraining system. If an inflating airbag was to strike an infant or child, it may cause serious injury.**
- **Ensure the opening for the Curtain Airbag System remains unobstructed at all times, so that the airbags can inflate properly if needed.**
- **The built in coat hooks should only be used for light weight clothing, ensure that pockets are free of any heavy or sharp objects. When using coat hooks, do not hang clothes on coat hangers.**

- **The space between the occupant and the curtain airbag must never be occupied by children, passengers or pets. Occupants should never lean out or have any parts of their body protruding from the window while the engine is running.**
- **Do not move the sun visor out to cover the side window if there is an item attached to it such as garage door remote control, pens, air fresheners or the like. These objects may cause injury if the Curtain Airbag is deployed.**
- **Do not install sun blinds to the rear doors, these must not obstruct or impair the airbag in any way.**
- **Do not install any accessories or children's toys in the Curtain Airbag deployment zones, as this may impair the operation of the system or throw parts of them into the vehicle cabin causing injury to occupants if the system is deployed.**

- **To maintain the integrity of the Curtain Airbag system, any work, removal or installation of the airbag and associated components (such as roof lining and side trims) should only be performed by an authorized Hyundai dealer.**

B240C01NF-GAT

SRS Care

The SRS is virtually maintenance-free and so there are no parts you can safely service by yourself. If the SRS SRI (Service Reminder Indicator) does not come on, or continuously remains on, have your vehicle immediately inspected by your Hyundai dealer.

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 child restraint on a seat protected by an airbag in front of it!
- 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.
- 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.
- 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.
- 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 there is water on the floor, do not start engine; have the car towed to authorized Hyundai dealer.

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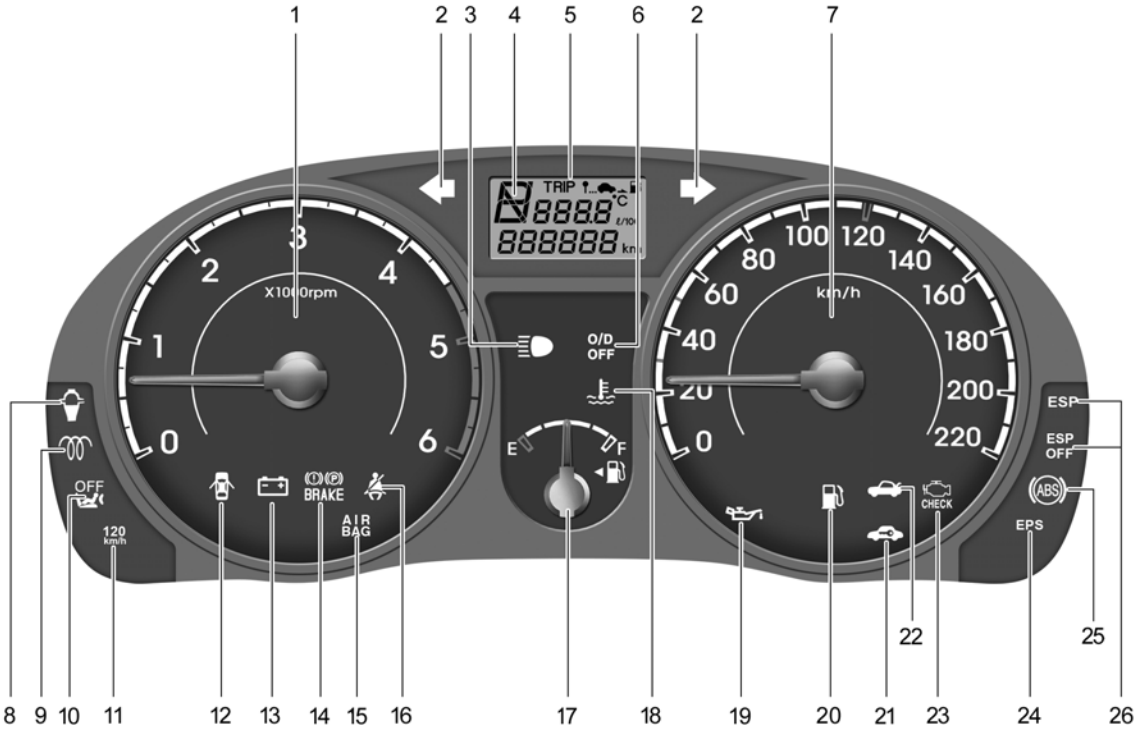
Type A



OMC029502

1. Tachometer
2. Turn Signal Indicator Lights
3. High Beam Indicator Light
4. Automatic Transaxle Position Indicator Light (If Installed)
5. Odometer/Trip Odometer/Trip Computer (If Installed)
6. Overdrive Off Indicator Light (Automatic Transaxle only)
7. Speedometer
8. Fuel Filter Warning Light (Diesel only)
9. Diesel Pre-heat Indicator Light (Diesel only)
10. Passenger's Front Airbag OFF Indicator Light (If Installed)
11. Over Speed Warning Light (If Installed)
12. Door Ajar Warning Light
13. Charging System Warning Light
14. Parking Brake/Low Brake Fluid Level Warning Light
15. SRS (Airbag) Warning Light (If Installed)
16. Seat Belt Warning Light
17. Fuel Gauge
18. Engine Coolant Temperature Warning Light
19. Low Oil Pressure Warning Light
20. Low Fuel Warning Light
21. Immobilizer Warning Light (If Installed)
22. Trunk Lid/Tail Gate Open Warning Light
23. Malfunction Indicator Light (MIL) (If Installed)
24. Electronic Power Steering Warning Light (If Installed)
25. ABS Service Reminder Indicator Light (If Installed)
26. Electronic Stability Program (ESP) Indicator Lights (If Installed)

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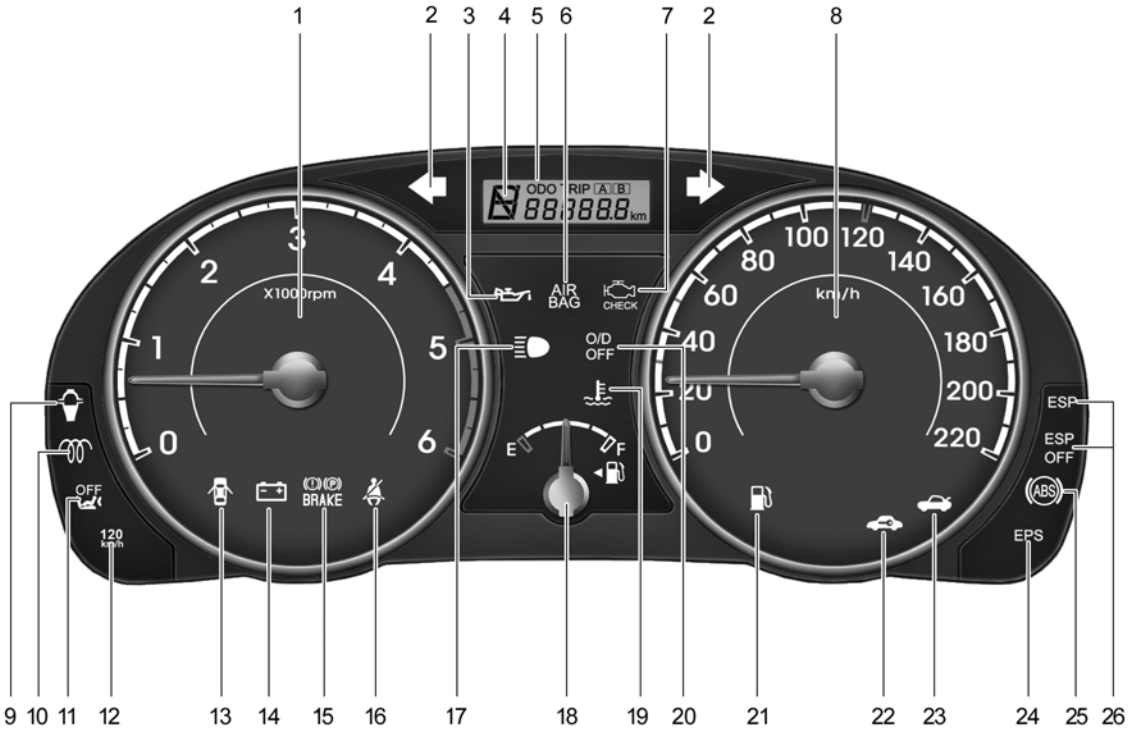
Type B



OMC029507

1. Tachometer
2. Turn Signal Indicator Lights
3. Low Oil Pressure Warning Light
4. Automatic Transaxle Position Indicator Light (If Installed)
5. Odometer/Trip Odometer
6. SRS (Airbag) Warning Light (If Installed)
7. Malfunction Indicator Light (MIL) (If Installed)
8. Speedometer
9. Fuel Filter Warning Light (Diesel only)
10. Diesel Pre-heat Indicator Light (Diesel only)
11. Passenger's Front Airbag OFF Indicator Light (If Installed)
12. Over Speed Warning Light (If Installed)
13. Door Ajar Warning Light
14. Charging System Warning Light
15. Parking Brake/Low Brake Fluid Level Warning Light
16. Seat Belt Warning Light
17. High Beam Indicator Light
18. Fuel Gauge
19. Engine Coolant Temperature Warning Light
20. Overdrive Off Indicator Light (Automatic Transaxle only)
21. Low Fuel Warning Light
22. Immobilizer Warning Light (If Installed)
23. Trunk Lid/Tail Gate Open Warning Light
24. Electronic Power Steering Warning Light (If Installed)
25. ABS Service Reminder Indicator Light (If Installed)
26. Electronic Stability Program (ESP) Indicator Lights (If Installed)

B260B01JM-AAT

SRS (Airbag) Service Reminder Indicator (SRI) (If Installed)

The SRS service reminder indicator (SRI) comes on for about 6 seconds after the 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 operating 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.

B230T02NF-GAT

Passenger's Front Airbag OFF Indicator Light (If Installed)

The passenger's front airbag OFF indicator illuminates for about 4 seconds after the ignition key is turned to the "ON" position or after the engine is started, and then it will go off in 3 seconds.
The passenger's front airbag OFF indicator also comes on when the passenger's front airbag ON/OFF switch is set to "OFF" position and turns off when the passenger's front airbag ON/OFF switch is set to "ON" position.

CAUTION:

If there is a malfunction of the passenger's front airbag ON/OFF switch, the passenger's front airbag OFF indicator will not illuminate and the passenger's front airbag will inflate in frontal impact crashes even if the passenger's front airbag ON/OFF switch is set to the "OFF" position. If the passenger's front airbag OFF indicator will not illuminate when the passenger's front airbag ON/OFF switch is set to the "OFF" position, have an authorized Hyundai dealer inspect the passenger's front airbag ON/OFF switch and the SRS airbag system as soon as possible.

B260P02Y-GAT

ABS Service Reminder Indicator (SRI) Light (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 SRI 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 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.

B260C01A-AAT

O/D OFF Indicator (Automatic transaxle only)

When the overdrive switch is turned on, the overdrive off indicator will go out. This amber indicator will be illuminated when the overdrive switch is turned off.

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 illuminate at all, a malfunction in the turn signal system is indicated. Your dealer should be consulted for repairs.

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.

D150312AUN

Automatic Transaxle Position Indicator Light (If Installed)

The indicator displays which automatic transaxle shift position is selected.

B260G01A-AAT

Low 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 the 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/Low 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 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.

B260J01S-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.
And then, have the system checked by your Hyundai dealer.

CAUTION:
If the drive belt (generator belt) is loosen, broken, or mission while the vehicle is driving, there may be a serious malfunction, engine could overheat because this belt also drives the water pump.

B260L01A-GAT

Door Ajar Warning Light

The door ajar warning light warns you that a door is not completely closed.

B260L02HP-GAT

Door Ajar Warning Light and Chime (Mideast only)

The door ajar warning light warns you that a door is not completely closed and the chime warns you that the key is in the ignition switch.

NOTE :

The warning chime only sounds whenever the key is in the ignition switch and the driver's side front door is open simultaneously. The chime sounds until the key is removed from the ignition switch or the driver's side front door is closed.

B260K01MC-AAT

Trunk Lid/Tail Gate Open Warning Light

This light remains on unless the trunk lid/tail gate is completely closed and latched.

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.

B260N01MC-GAT

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 after the engine is started. 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.

CAUTION:

- **Prolonged driving with the Emission Control System Malfunction Indicator Light illuminated may cause damage to the emission control systems which could effect drivability or fuel economy. If the Emission Control System Malfunction Indicator Light begins to flash ON and OFF, potential catalytic converter damage is possible. This could result in loss of engine power. Have the Engine Control System inspected as soon as possible by an authorized Hyundai dealer (Gasoline Engine).**
- **In case the injection quantity adjustment related error occurred, the Emission Control System Malfunction Indicator Light begins to flash ON and OFF. Continuous driving with this status could result in abnormal engine power loss (or power increase), combustion noise and poor emission. If this occurs, have your vehicle checked by an authorized Hyundai dealer (Diesel Engine).**

B290A02MC-GAT

Engine Coolant Temperature Warning Light

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.

This warning light shows the temperature of the engine coolant when the ignition switch is ON. The warning light illuminates if the temperature of the engine coolant is above 123±3°C (253.4±5.4°F).

If the warning light illuminates, pull over and stop as soon as possible and turn off the engine. Then open the hood and check the coolant level (See "If the engine overheats" on the page 3-4.) 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.

NOTE:

If the engine coolant temperature warning light illuminates, it indicates overheating that may damage the engine.

B260E01TB-GAT

Seat Belt Warning Light (Except E.C)

The seat belt warning light blinks for about 6 seconds when the ignition key is turned from the "OFF" position to the "ON".

B260E02HP-GAT

Seat Belt Reminder Light and Chime (Mideast only)

The seat belt reminder light blinks for 6 seconds when the ignition key is turned from the "OFF" position to "ON" or "START". If the driver's seat belt is not fastened, the warning chime will sound at the same time.

B265E01MC-GAT

Seat Belt Warning Light and Chime (E.C only)

The seat belt warning light and chime will activate to the following table.

User (Driver) Condition		Seat Belt WarningLight
Seat Belt	Ignition Switch	
Unbuckled	ON	Stay on until buckled up
Buckled	ON	Come on for 6 seconds
Unbuckled	ON *1	Blink until buckled up
Buckled → Unbuckled	START *2	Blink until buckled up*3

*1) When the ignition key is turned from "OFF" position to "ON" within 1 minute.
*2) The switch returns to "ON" when you let go of the key.
*3) If the vehicle speed exceeds 9km/h, the seat belt chime also sounds for about 1~2 minutes.
If the vehicle speed is below 9km/h, 1 minute later the seat belt chime also sounds for about 1~2 minutes.

NOTE:
If the driver's seat belt is operated in this order "unbuckled → buckled → unbuckled" within 9 seconds after the seat belt is buckled, the seat belt warning light and chime will not activate.

B260U01TB-GAT

Immobilizer Warning Light (If Installed)

This indicator light comes on for some seconds after the ignition key is turned to the "ON" position. At this time, you can start the engine. The light goes out after the engine is running. In case this light goes out before you start the engine, you must turn to the "LOCK" position and restart the engine. In case this light blinks for five seconds when the ignition key is turned to "ON" position, this indicates that the immobilizer system is out of order. At this time, refer to the explanation of the Limp home procedure(See page 1-7) or consult to the Hyundai dealer.

B260T01TB-GAT

Electronic Power Steering (EPS) System Warning Light (If Installed)

This indicator light comes on about 4 seconds after the ignition key is turned to the "ON" position or after the engine is started, it will go out.
This light also comes on when the EPS has some troubles. If it comes on while driving, have your vehicle inspected by an authorized Hyundai Dealer.

NOTE:

When you move the electronic power steering back-end and forth-end continuously in stop position, steering wheel plays heavily to operate anti-overload system. It is normal condition. It returns to be normal getting time.

B265C01NF-GAT

Electronic Stability Program Indicator Lights (If Installed)

The electronic stability program indicators change operation according to the ignition switch position and whether the system is in operation or not.
They will illuminate when the ignition key is turned to the "ON" position, but should go out after three seconds. If the ESP or ESP-OFF indicator stays on, take your car to your authorized Hyundai dealer and have the system checked. See section 2 for more information about the ESP.

B260S01MC-GAT

Diesel Preheat Indicator Light

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

NOTE:
If the engine were not started within 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.

CAUTION:
If the preheat indicator light continues to illuminate or flash on and off after the engine has warmed up or while driving, check the system by an authorized Hyundai dealer as soon as possible.

B265A01MC-GAT

Fuel Filter Warning Light (Diesel Engine)

This warning light illuminates for 6 seconds after the ignition switch is set to the "ON" position or after the engine is started, it will go out. 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 "6-25 page")

CAUTION:
When the fuel filter warning light is illuminated, engine power (vehicle speed & idle speed) may decrease. If you keep driving with the warning light on, you can damage your vehicle's engine parts and injection system of the Common Rail. If this occurs, have your vehicle checked by an authorized Hyundai dealer as soon as possible.

SB215U1-G

Overspeed warning light (If Installed)

If you drive with the speed of 120 km/h or more, the overspeed warning light will blink. This is to prevent you from driving your vehicle with overspeed.

SB210U1-G

OVER SPEED WARNING BUZZER (If Installed)

When the car speed is in excess of 120 km/h (75 mph), a buzzer will sound to warn you.

B900A01A-GAT

ACOUSTIC WARNING SOUND (If Installed)

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

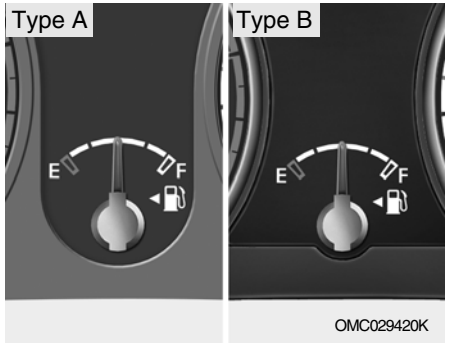
B270A01A-AAT

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.

B280A02TG-AAT

FUEL GAUGE



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

NOTE:

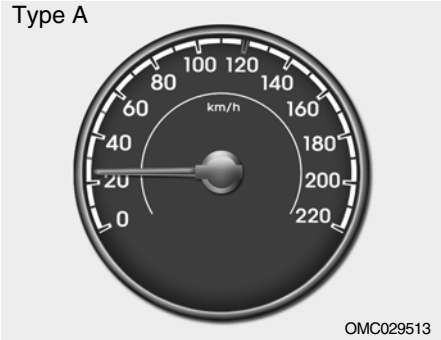
The " ◂⛽ " symbol means the fuel filler lid is placed on the left side of the vehicle.

CAUTION:

Avoid driving with a very low fuel level. If you run out of fuel, it could cause the engine to misfire and result in excessive loading of the catalytic converter.

B300A01A-GAT

SPEEDOMETER



Type C

OMC029513N

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

B330A02A-AAT

TACHOMETER

Gasoline
(Type A)

OMC029512L

Gasoline
(Type B)

OMC029512

Gasoline
(Type C)

OMC029512N

Diesel

OMC029516L

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

CAUTION:
The engine should not be increased 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.

B310B01MC-GAT

ODOMETER/TRIP ODOMETER (Without Trip Computer)

1. Odometer

The odometer records the total driving distance in kilometers or miles, and is useful for keeping a record for maintenance intervals. It is normal for a new vehicle to have the odometer indicating less than 50km.

NOTE:
Any alteration of the odometer may void your warranty coverage.

2. Trip Odometer

Pushing in the TRIP switch for less than 1 second when the ignition switch is in "ON" position changes the display as follows;

Trip odometer records the distance of 2 trips in kilometers or miles.

TRIP A: First distance you have traveled from your origination point to a first destination.

TRIP B: Second distance from the first destination to the final destination.

When the TRIP switch is pressed for more than 1 second, trip odometer will reset to 0.

B310C01O-GAT

ODOMETER/TRIP ODOMETER (With Trip Computer)

1. Odometer

The odometer records the total driving distance in kilometers or miles, and is useful for keeping a record for maintenance intervals.
It is normal for a new vehicle to have the odometer indicating less than 50 km.

NOTE:
Any alteration of the odometer may void your warranty coverage.

TRIP COMPUTER

2. Trip Odometer

- o This mode indicates the drive distance travelled since the last drive time reset.
- o Refer to the explanation of the trip computer (see page 1-74, Tripmeter).

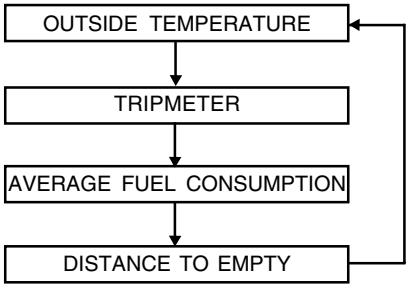
B400B01MC-GAT

(If Installed)

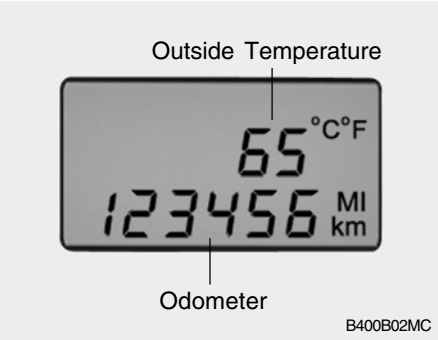
The trip computer is a microcomputer-controlled driver information gauge that displays information related to driving such as outside temperature, tripmeter, average fuel consumption and distance to empty on the LCD.

TRIP Switch

Pushing in the TRIP switch for less than 1 second when the ignition switch is in "ON" position changes the display as follows;



1. Outside Temperature (°C or °F)

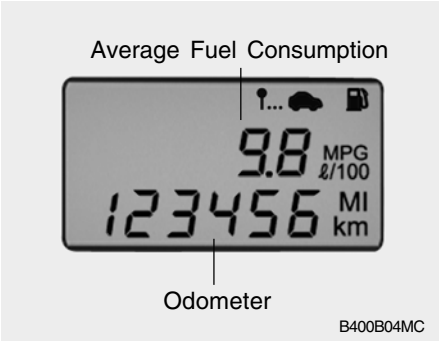


This mode indicates the outside temperature between -40°C (-40°F) and 80°C (176°F) .

2. Tripmeter (km or miles)

- This mode indicates the total distance travelled since the last tripmeter reset. Total distance is also reset to zero if the battery is disconnected.
- Pressing the TRIP switch for more than 1 second when the tripmeter is being displayed clears the tripmeter to zero.
- The meter's working range is from 0 to 999.9 kms (999.9 miles).

3. Average Fuel Consumption (L/100km or MPG)



- This mode calculates the average fuel consumption from the total fuel used and the distance since the last average consumption reset.
- The total fuel used is calculated from the fuel consumption input.
- Average fuel consumption is reset to zero (--) if the battery is disconnected.
- To reset the average fuel consumption to zero (--), press the TRIP switch for more than 1 second.
- When you drive 0.5 km (0.5 mile) and less after resetting, the average fuel consumption will be displayed to '--'.

4. Distance to Empty (km or miles)

- This mode indicates the estimated distance to empty from the current fuel level in the fuel tank.
- The trip computer may not register additional fuel if less than 6 liters (1.36 gallons) of fuel are added to the vehicle.

- When the distance to empty is less than 50 km (30 miles), the distance to empty digits (----) will blink until more fuel is added.

NOTE:

- **The distance to empty can differ from the actual tripmeter according to driving conditions.**
- **The distance to empty can vary according to the driving conditions, driving pattern or vehicle speed.**

MULTI-FUNCTION LIGHT SWITCH

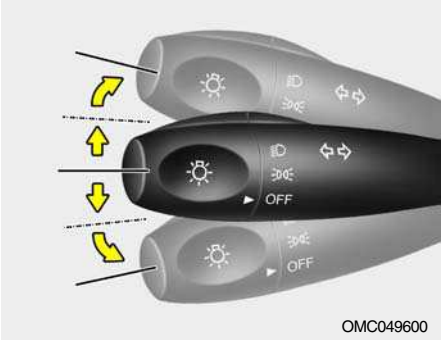
B340A01A-AAT

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.

B340B01A-AAT

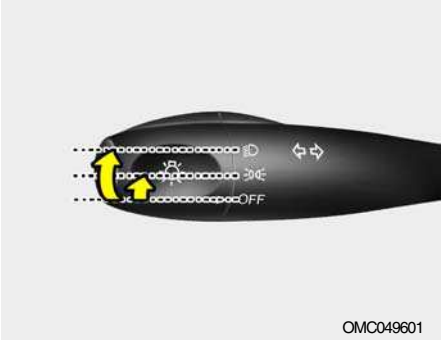
Lane Change Signal



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.

B340C04FC-GAT

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

- The purpose of this feature is to prevent the battery from being discharged.
  The system automatically turns off the headlights and parking lights when the driver removes the ignition key and opens the driver- side door.
- With this feature, the parking light will be turned off automatically if the driver parks on the side of road at night.
  If necessary, to keep the lights on when the ignition key is removed, perform the following :
  1) Open the driver-side door.
  2) Turn the parking lights OFF and ON again using the light switch on the steering column.

B340F01MC-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. If you turn on the tail lights when the ignition switch is in the "ON" position, the daytime running lights will go off.

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

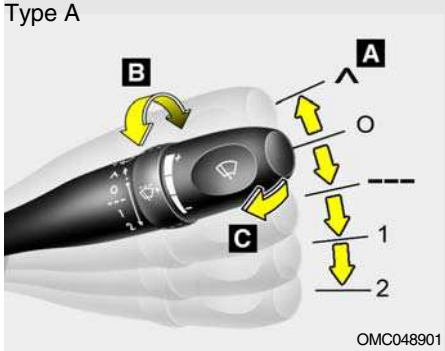
Headlight Flasher

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.

WINDSHIELD WIPER/WASHER SWITCH

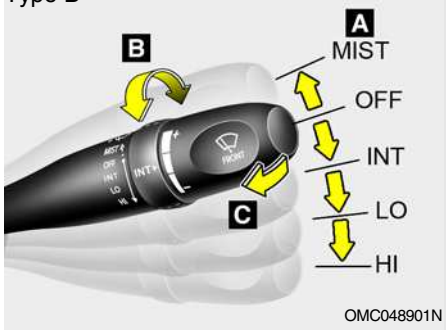
Windshield wiper/washer

Type A



OMC048901

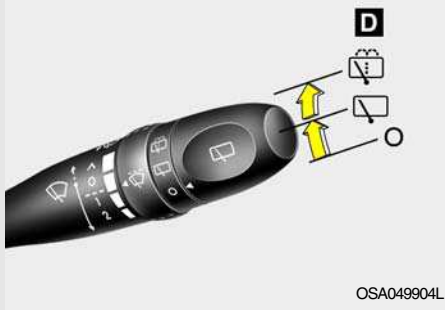
Type B



OMC048901N

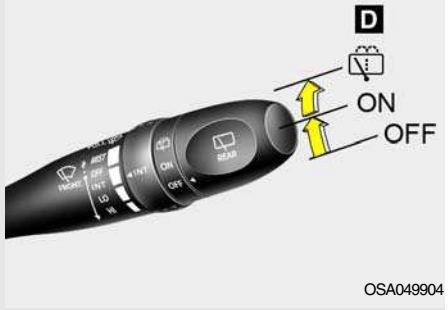
Rear window wiper/washer (If Installed)

Type A



OSA049904L

Type B



OSA049904

A : Wiper speed control
- ∧ (MIST) – Single wipe
- O (OFF) – Off
- --- (INT) – Intermittent wipe
- 1 (LO) – Low wiper speed
- 2 (HI) – High wiper speed

B : Intermittent wipe time adjustment

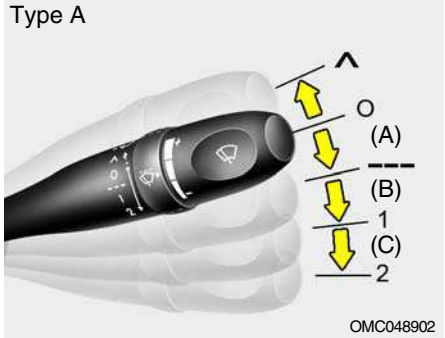
C : Wash with brief wipes

D : Rear wiper/washer control
- – Wash with brief wipes
- (ON)– Continuous wipe
- O (OFF) – Off

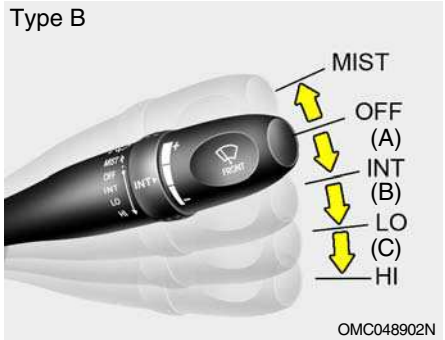
B350A01MC-AAT

Windshield Wiper

Type A



Type B



The windshield wiper switch has three positions:

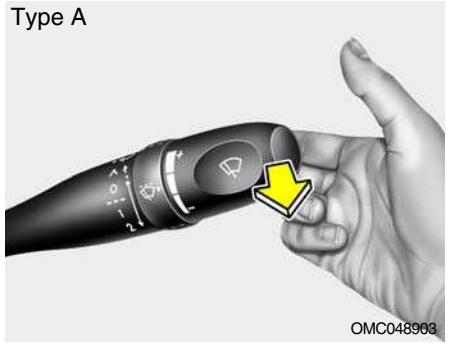
A) Intermittent wiper operation
B) Low-speed operation
C) High-speed operation

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.

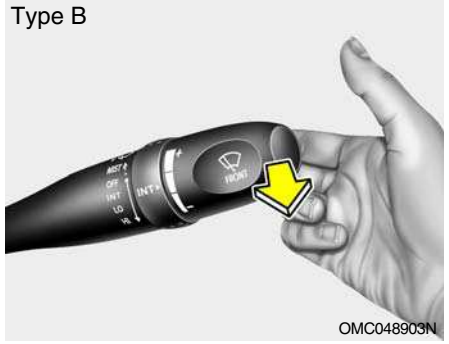
B350B01O-GAT

Windshield Washer Operation

Type A



Type B



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.**

Mist Wiper Operation

Type A

OMC048904

Type B

OMC048904N

If a single wipe is desired in mist, push the windshield wiper and washer control lever upwards.

B350C03MC-GAT

Adjustable Intermittent Wiper Operation

Type A

OMC048905

Type B

OMC048905N

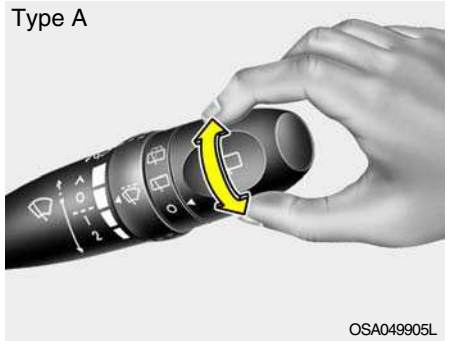
To use the intermittent wiper feature, place the wiper switch in the "---" or "INT" position.

With the switch in this position, the interval between wipes can be varied from approximately 1 to 15 seconds by turning the interval adjuster barrel (1).

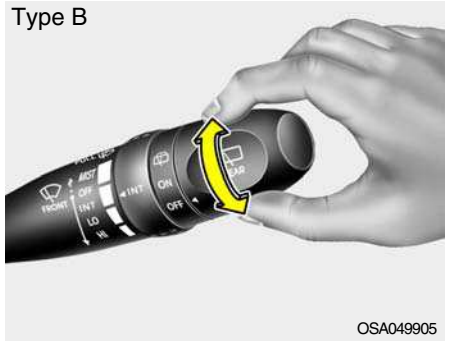
B390A02MC-AAT

Rear Window Wiper and Washer (If Installed)

Type A



Type B



1. : The washer fluid will be sprayed onto the rear window and the wiper operates while the rear window wiper barrel is placed in this position.
2. (ON) : The rear window wiper starts to operate continuously.
3. O (OFF)

NOTE:

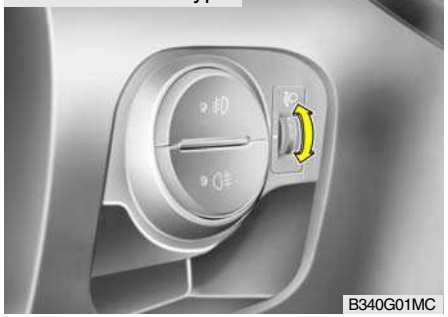
Do not operate the washer continuously for more than 15 seconds or when the fluid reservoir is empty; this could damage the system. Do not operate the wiper when the window is dry; this can result in scratching as well as premature wiper blade wear.

HEADLIGHT LEVELING DEVICE SYSTEM

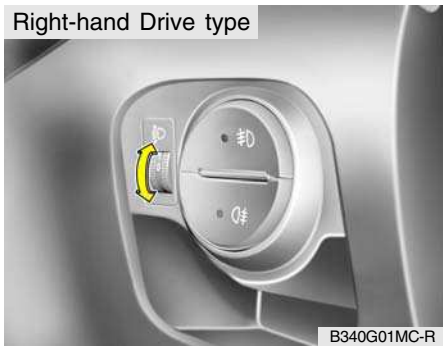
B340G01S-GAT

(If Installed)

Left-hand Drive type



Right-hand Drive type



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.

Loading condition	Switch position
Driver only	0
Driver + front passenger	0
Full passengers (including driver)	1
Full passengers (including driver) + full trunk loading (or light trailer loading)	2
Driver + full trunk loading (or maximum trailer loading)	3

HAZARD WARNING SYSTEM

B370A01A-AAT

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.

REAR WINDOW DEFROSTER SWITCH

B380A01MC-AAT

OMC025072

The rear window defroster is turned on by pushing in the switch. To turn the defroster off, push the switch a second time. The rear window defroster automatically turns itself off after about 20 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 foreign deposits from the inner surface of the glass as this may cause damage to the defroster elements.

NOTE:
The engine must be running for the rear window defroster to operate.

FOG LIGHT SWITCH

B360B01FC-GAT

Front Fog Light Switch (If Installed)

Left-hand Drive Type

B360B01MC

Right-hand Drive Type

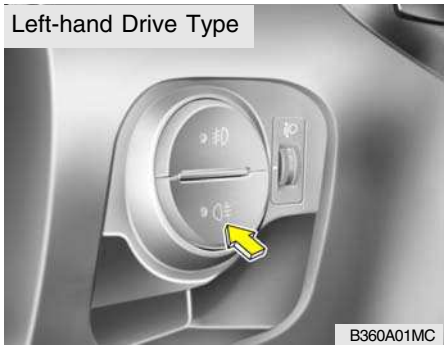
B360B01MC-R

To turn on the front fog lights, push 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)

Left-hand Drive Type



B360A01MC

Right-hand Drive Type

B360A01MC-R

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

DIGITAL CLOCK

B400A01A-AAT

OMC025098

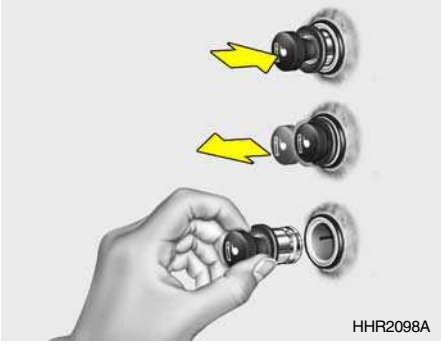
There are three control buttons for the digital clock. Their functions are:

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.

CIGARETTE LIGHTER

B420A02A-AAT



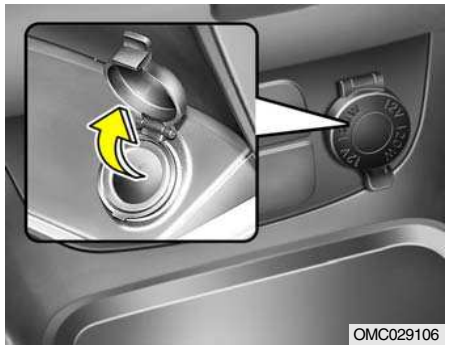
HHR2098A

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.

POWER OUTLET

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

B500D01MC-GAT



OMC029106

These supply 12V electric power to operate electric accessories or equipment only when the key is in the "ON" or "ACC" position.

CAUTION:

- **Only use the power outlet when the engine is running. Unplug the plug from the power outlet when the engine is off if the key will be left in the "ACC" or "ON" (not recommended) positions, to prevent discharging the battery. Using when the engine stops or leaving the electric appliance plugged in for many hours may cause the battery to discharge.**
- **Do not use the power outlet to connect electric accessories or equipment other than those designed to operate on 12 volts.**
- **Some electronic devices can cause electronic interference when plugged into the power outlet. These devices may cause excessive audio noise and malfunctions in other electronic systems or devices used in your vehicle.**

ASHTRAY

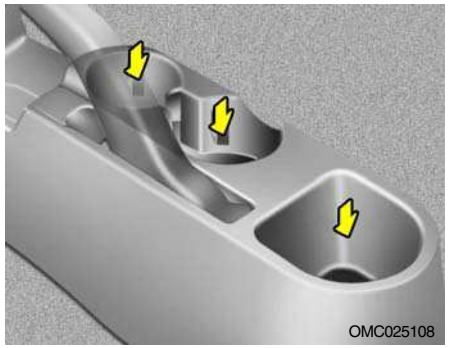
B430A01MC-GAT

To use the ashtray, open the cover. To remove the ashtray to empty or clean it, pull it all the way out.

DRINK HOLDER

B450A02O-AAT

FRONT DRINK HOLDER



The drink holder is located on the main console for holding cups or cans.

WARNING:

- **Use caution when using the drink holders. A spilled beverage that is very hot can injure you or your passengers. Spilled liquids can damage interior trim and electrical components.**
- **Do not place objects other than cups or cans in the drink holder. This objects can be thrown out in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.**

B450B01MC-GAT

REAR DRINK HOLDER (If Installed)

The rear drink holder is located in the rear seat armrest for holding cups or cans.
The rear drink holder can be used by pulling the rear seat armrest.

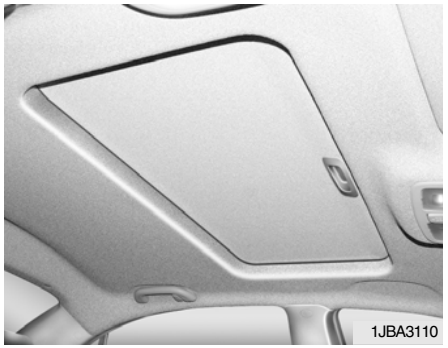
WARNING:

Use caution when using the drink holders. A spilled beverage that is very hot can injure your passengers. Spilled liquids can damage interior trim.

SUNROOF

B460A02Y-AAT

(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. This could result in loss of control and an accident that may cause death, serious injury, or property damage.

B460B01MC-GAT

Opening the Sunroof System

If your vehicle is equipped with this feature, you can slide or tilt your sunroof with the sunroof control buttons located on the overhead console.
The sunroof can only be opened, closed, or tilted when the ignition switch is in the "ON" position.

Auto slide open

To use the auto slide feature, press the SLIDE OPEN button on the overhead console for more than 1 second. The sunroof will slide all the way open. To stop the sunroof sliding at any point, press any sunroof control button.

Manual slide open

Press the SLIDE OPEN button on the overhead console for less than 0.5 second.

Manual slide close

To close the sunroof, press the TILT UP button on the overhead console and hold it until the sunroof is closed.

WARNING:
Be careful that someone's head, hands and body are not trapped by a closing sunroof.

B460C01TG-AAT

Tilting the Sunroof System

OMC025021

Auto tilt up

To use the auto tilt feature, press the TILT UP button on the overhead console for more than 1 second. The sunroof will tilt all the way open. To stop the sunroof tilting at any point, press any sunroof control button.

Manual tilt up

Press the TILT UP button on the overhead console for less than 0.5 second.

Manual tilt down

To close the sunroof, press the SLIDE OPEN button on the overhead console and hold it until the sunroof is closed.

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.

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.**
- **While the vehicle is moving, always keep the head, hands and other parts of the body of all occupants away from the roof opening. Otherwise, you could be seriously injured if the vehicle stops suddenly or if the vehicle is involved in an accident.**

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.**
- **Do not press any sunroof control button longer than necessary. Damage to the motor or system components could occur.**

B460E02TG-GAT

Resetting the sunroof

Whenever the vehicle battery is disconnected or discharged, you have to reset your sunroof system as follows:

1. Turn the ignition key to the "ON" position.
2. Press the TILT UP button for more than 1 second to tilt up the sunroof completely when the sunroof is fully closed. Then, release the button.
3. Press and hold the TILT UP button once again until the sunroof has returned to the original position of TILT UP after it is raised a little higher than the maximum TILT UP position. Then, release the button.
4. Press and hold the TILT UP button within 5 seconds until the sunroof is operated as follows;

   TILT DOWN → SLIDE OPEN → SLIDE CLOSE

   Then, release the button.

CAUTION:
If the sunroof is not reset, it may not operate properly.

B480A02MC-GAT

Map Light (If Installed)

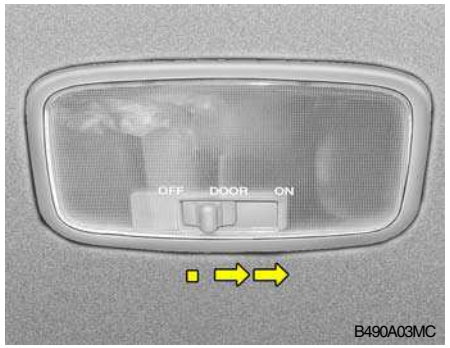
The two map light switches are located on both sides of the front overhead console. Push in the map light switch to turn the light on or off. This light produces a spot beam for convenient use as a map light at night or as a personal light for the driver and the passenger.

o "DOOR" (If Installed)

In the "DOOR" position, the map light comes on when any door is opened regardless of the ignition key position and the light goes out after approximately 20 minutes even though the door is open.
The light goes out gradually after 30 seconds if the door is closed. However if the ignition switch is ON or all doors are locked, map light will turn off even within 30 seconds.

B490A02MC-AAT

Interior Light



The interior courtesy light switch has three positions. The three positions are:

o "DOOR"

In the "DOOR" position, the interior courtesy light comes on when any door is opened regardless of the ignition key position and the light goes out after approximately 20 minutes even though the door is open. The light goes out gradually after 30 seconds if the door is closed. However if the ignition switch is ON or all doors are locked, interior light will turn off even within 30 seconds.

o "ON"

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

CAUTION:
Do not leave the switch in this position for an extended period of time when the vehicle is not running.

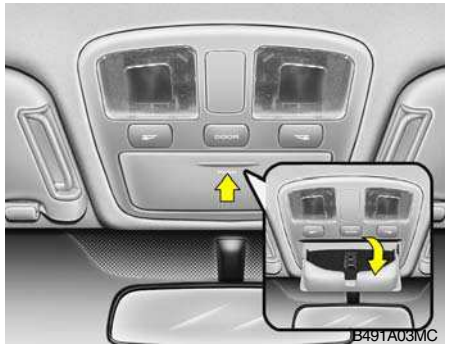
o "OFF"

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

SPECTACLE CASE

B491A03O-GAT

(If Installed)



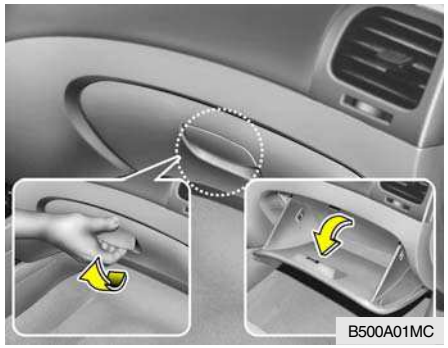
The spectacle case is located on the front overhead console.
Push the end of the cover to open the spectacle case.

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.**
- **Do not open the spectacle case while the vehicle is moving. The rear view mirror of the vehicle can be blocked by an open spectacle case.**

GLOVE BOX

B500A01A-AAT



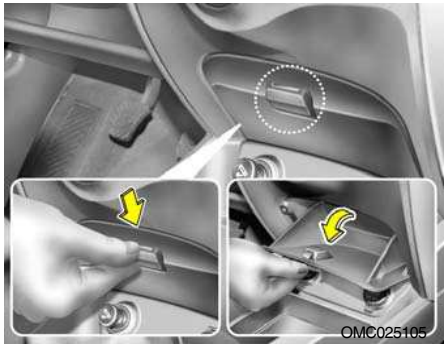
WARNING:

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.

MULTI BOX

B500B01MC-GAT



The multi box is opened by pushing the knob downward.

OUTSIDE REARVIEW MIRROR

B510A01A-AAT

Manual Type

The outside rearview mirrors are equipped with a remote control for your convenience. It is operated by the control lever in the bottom front corner of the window.

Before driving away, always check that your mirrors are positioned so you can see behind you, both to the left and right sides, as well as directly behind your vehicle. When using the mirror, always exercise caution when attempting to judge the distance of vehicles behind or along side of you.

CAUTION:

If the mirror control is jammed with ice, do not attempt to break it free using the control handle or by manipulating the face of the mirror. Use an approved spray de-icer (not radiator antifreeze) to release the frozen mechanism or move the vehicle to a warm place and allow the ice to melt.

B510B01FC-AAT

Electric Type (If Installed)

The outside rearview mirrors can be adjusted to your preferred rear vision, both directly behind the vehicle and to the rear of the left and right sides.
The remote control outside rearview mirror switch controls the adjustments for both right and left outside mirrors.

To adjust the position of either mirror:

1. Move the selecting switch to the right or left to activate the adjustable mechanism for the corresponding door mirror.
2. Adjust mirror angle by depressing the appropriate perimeter switch as illustrated.

CAUTION:

- **Do not operate the switch continuously 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 de-icer.**

WARNING:

Be careful when judging the size or distance 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.

B510C01A-AAT

FOLDING THE OUTSIDE REAR-VIEW MIRRORS

To fold the outside rearview mirrors, push them towards the rear.
The outside rearview mirrors can be folded rearward for parking in narrow areas.

WARNING:
Do not adjust or fold the outside rearview mirrors while the vehicle is moving. This could result in loss of control, and an accident which could cause death, serious injury or property damage.

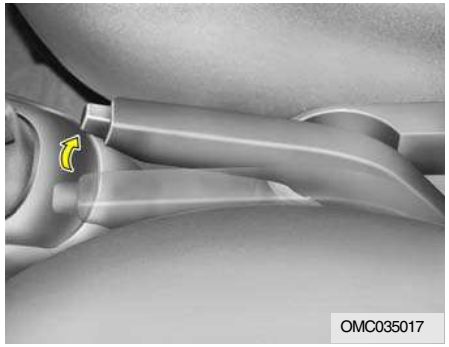
DAY/NIGHT INSIDE REARVIEW MIRROR

B520A01A-AAT

Your Hyundai is equipped with a day/night inside rearview 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.

PARKING BRAKE

B530A03A-AAT



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.

Applying the parking brake

To engage the parking brake, first apply the foot brake and then without pressing the release button in, pull the parking brake lever up as far as possible. In addition it is recommended that when parking the vehicle on a gradient, the shift lever should be positioned in the appropriate low gear on manual transaxle vehicles or in the P (Park) position on automatic transaxle vehicles.

CAUTION:
Driving with the parking brake applied will cause excessive brake pad (or lining) and brake rotor wear.

Releasing the parking brake

To release the parking brake, first apply the foot brake and pull up the parking brake lever slightly. Secondly, depress the release button and lower the parking brake lever while holding the button.

WARNING:
Whenever leaving vehicle or parking always set the parking brake as far as possible and fully engage the vehicle's transaxle into the park position. Vehicles not fully engaged in park with the parking brake set are at risk for moving inadvertently and injuring yourself or others.

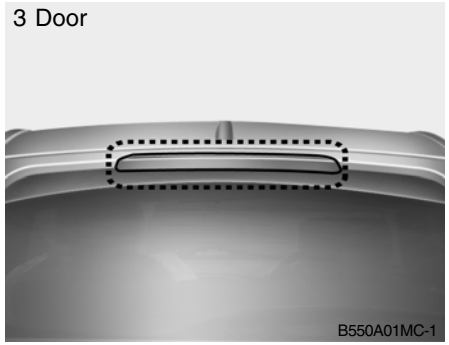
HIGH-MOUNTED REAR STOP LIGHT

B550A01S-GAT

(If Installed)

4 Door

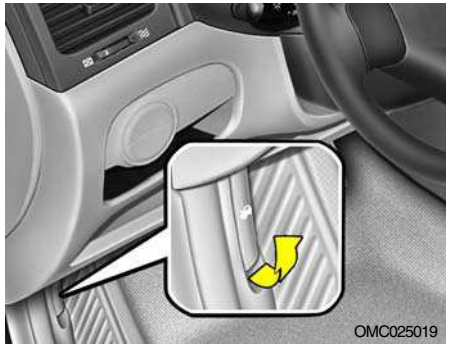
3 Door



In addition to the lower-mounted rear stop lights on either side of the car, the high mounted rear stop light in the center of the rear window or inserted in the rear spoiler also lights when the brakes are applied.

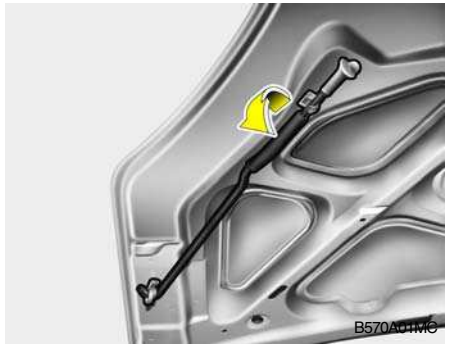
HOOD RELEASE

B570A01MC-GAT

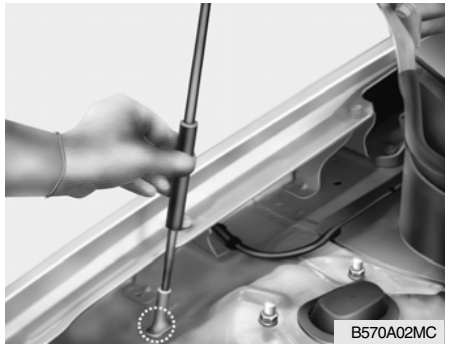


1. Pull the release knob to unlatch the hood.

2. Pull the secondary latch lever up and lift the hood.



3. Pull the support rod from the hood.



4. 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 1 ft. (30 cm) above the closed position and let it drop. Make sure that it locks into place.

CAUTION:
Make sure that the support rod has been released prior to closing the hood.

WARNING:

- **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.**

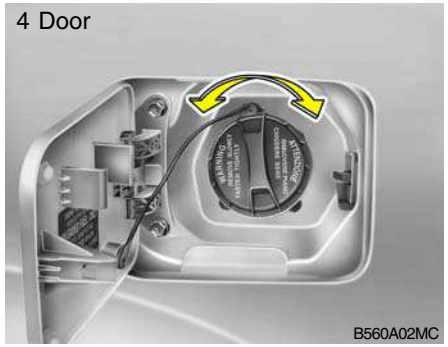
REMOTE FUEL-FILLER LID RELEASE

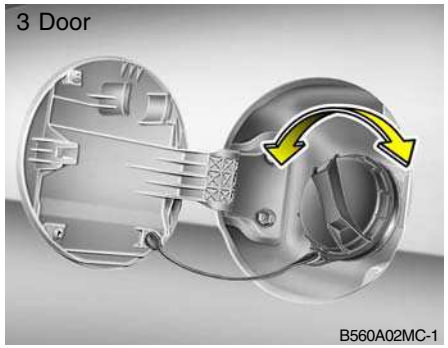
B560A01MC-GAT

The fuel-filler lid may be opened from inside the vehicle by pulling up on the fuel-filler lid opener located on the front floor area on the left side of the car.

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:

- o 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.
- o Automotive fuels are flammable/explosive materials. When refueling, please note the following guidelines carefully. Failure to follow these guidelines may result in severe personal injury, severe burns or death by fire or explosion.
  - Read and follow all warnings posted at the gas station facility.
  - Before refueling, note the location of the Emergency Gasoline Shut-Off, if available, at the gas station facility.
  - Before touching the fuel nozzle or fuel filler cap, you should eliminate potentially dangerous static electricity discharge by touching another metal part of the front of the vehicle, a safe distance away from the fuel filler neck, nozzle, or other gas source.
  - Do not get back into a vehicle once you have begun refueling. Do not touch, rub or slide against any item or fabric (polyester, satin, nylon, etc.) capable of producing static electricity. Static electricity discharge can ignite fuel vapors resulting in explosion.
    If you must re-enter the vehicle, you should once again eliminate potentially dangerous static electricity discharge by touching a metal part of the vehicle, away from the fuel filler neck, nozzle or other gasoline source.
  - When using a portable fuel container be sure to place the container on the ground prior to refueling. Static electricity discharge from the container can ignite fuel vapors causing a fire. Once refueling has begun, contact with the vehicle should be maintained until the filling is complete. Use only portable fuel containers designed to carry and store gasoline.
  - Do not use cellular phones around a gas station or while refueling any vehicle. Electric current and/or electronic interference from cellular phones can potentially ignite fuel vapors causing a fire. If you must use your cellular phone use it in a place away from the gas station.

- **When refueling always shut the engine off. Sparks produced by electrical components related to the engine can ignite fuel vapors causing a fire. Always insure that the engine is OFF before and during refueling. Once refueling is complete, check to make sure the fuel filler cap and door are securely closed, before starting the engine.**
- **Do not light any fire around a gas station. DO NOT use matches or a lighter and DO NOT SMOKE or leave a lit cigarette in your vehicle while at a gas station especially during refueling. Automotive fuel is highly flammable and can, when ignited, result in explosion by flames.**
- **If a fire breaks out during refueling, leave the vicinity of the vehicle, and immediately contact the manager of the gas station or contact the police and local fire department. Follow any safety instructions they provide.**

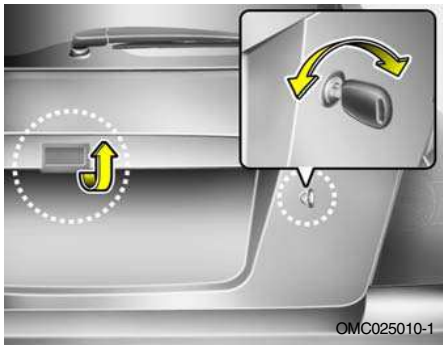
B540A01MC-GAT

WARNING:
The trunk lid or 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 illiness or death to the occupants. See additional warnings concerning exhaust gases on page 2-2.

Trunk Lid (4 Door)

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

Tail Gate (3 Door)



- To open the tail gate, unlock it by turning the key clockwise, then pull the outside handle toward you.
- To close, lower the tail gate and shut firmly to engage the latch. Lock the tail gate by turning the key counter-clockwise.
- If the vehicle is equipped with central door locking, the tail gate can be locked without a key. Push the front portion of the central door locking switch after closing the tail gate.
- If the tail gate is open when the front portion of the central door locking switch is pushed, the tail gate will be locked when it is fully closed.

B540D01MC-GAT

Remote Trunk Lid Release (4 Door) (If Installed)

To open the trunk lid without using the key, pull up the lid release lever.
To close, lower the trunk lid, then press down on it until it locks. To be sure the trunk lid is securely fastened, check by trying to pull it up again.

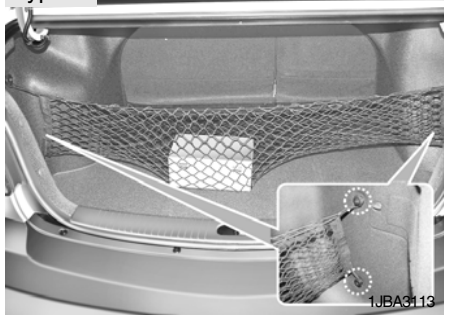
WARNING:
The trunk lid should always be kept completely closed while the vehicle is in motion. If it is left open or ajar, exhaust gases may enter the car and serious illness may result.

LUGGAGE NET

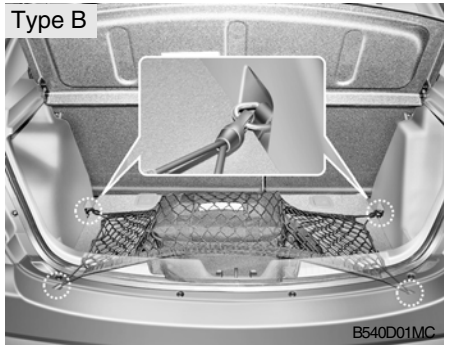
B540D02O-AAT

(If Installed)

Type A



Type B



When loading objects in the luggage compartment, use the four rings located in the luggage compartment to attach the luggage net as shown illustration. This will help prevent the objects from sliding.

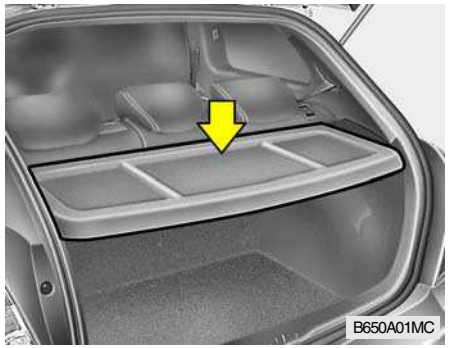
CAUTION:
To prevent damage to the goods or the vehicle, care should be taken when carrying fragile or bulky objects in the luggage compartment.

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

CARGO AREA COVER

B650A01A-GAT

(3 Door)

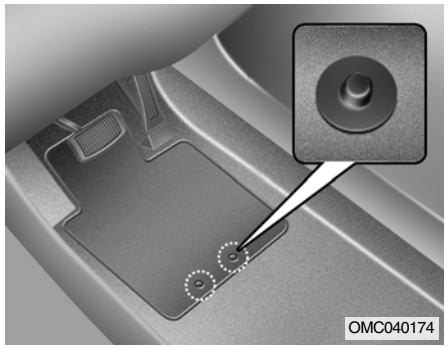


Nothing should be carried on top of the luggage cover. Loose materials could result in injury to vehicle occupants during sudden braking.

FLOOR MAT ANCHOR(S)

B571A03Y-AAT

(If Installed)

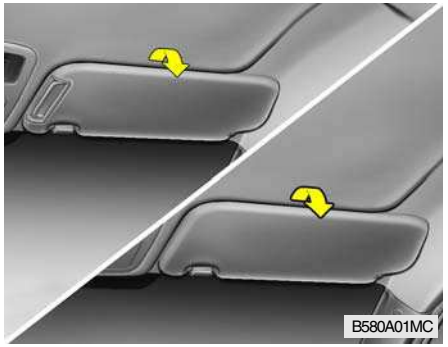


When using a floor mat on the front floor carpet, make sure it attaches to the floor mat anchor(s) in your vehicle. This keeps the floor mat from sliding forward.

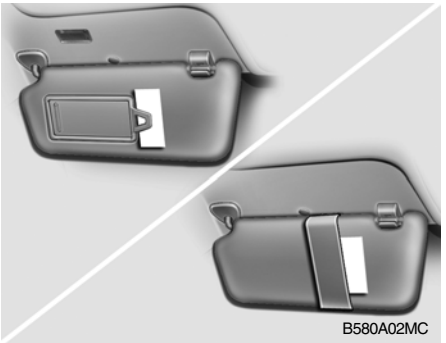
WARNING:
- **Make sure the floor mat is properly placed on the floor carpet. If the floor mat slips and interferes with the movement of the pedals during driving, it may cause an accident.**
- **Don't put an additional floor mat on the top of the anchored floor mat, otherwise the additional mat may slide forward and interfere with the movement of the pedals.**

SUN VISOR

B580A02MC-AAT



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.



Ticket holders and vanity mirrors are provided on the back of the sun visor for the driver and the front passenger (If Installed).

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

WARNING:

- **Do not place the sun visor in such a manner that it obscures visibility of the roadway, traffic or other objects.**
- **Do not move the sun visor out to cover the side window if there is an item attended to it such as a garage door remote control, pens, air fresheners or the like. These objects could cause injury if the curtain airbag is deployed.**

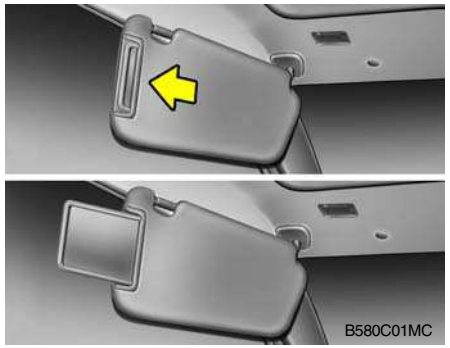
B500B01B-GAT

Illuminated Vanity Mirror (If Installed)

Opening the lid of the vanity mirror will automatically turn on the mirror light.

B580C01JM-AAT

Sun Visor Extender (If Installed)



Your vehicle is equipped with sun visor extenders that may be used when the visor is in the side glass position.

Electronic Power Steering (If Installed)

Power steering uses the motor to assist you in steering the vehicle. If the engine is off or if the power steering system becomes inoperative, the vehicle may still be steered, but it will require increased steering effort.

The motor driven power steering is controlled by power steering control unit which sense the steering wheel torque, steering wheel position and vehicle speed to command the motor.

The steering wheel becomes heavier as the vehicle's speed increases and becomes lighter as the vehicle's speed decreases for the better control of the steering wheel.

Should you notice any change in the effort required to steer during normal vehicle operation, have the power steering checked by an authorized Hyundai dealer.

NOTE:
The following symptoms may occur during normal vehicle operation:

- **The EPS warning light does not illuminate.**
- **The steering wheel becomes heavier after turning the ignition switch on. This happens as the system performs the EPS system diagnostics. When the diagnostics is completed, the steering wheel will return to its normal condition.**
- **Click noise may be heard from the EPS relay after the ignition switch is turned to the ON or LOCK position.**
- **Motor noise may be heard when the vehicle is at a stop or at a low driving speed.**
- **The steering effort can suddenly increase, if the operation of EPS system is stopped to prevent serious accidents when the malfunction of EPS system is detected by self-diagnosis.**

STEERING WHEEL TILT LEVER

B600A01A-AAT

To Adjust the Steering Wheel:

1. Push the lever downward to unlock.
2. Raise or lower the steering wheel to the desired position.
3. After adjustment, securely tighten the lever by pulling it upward.

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

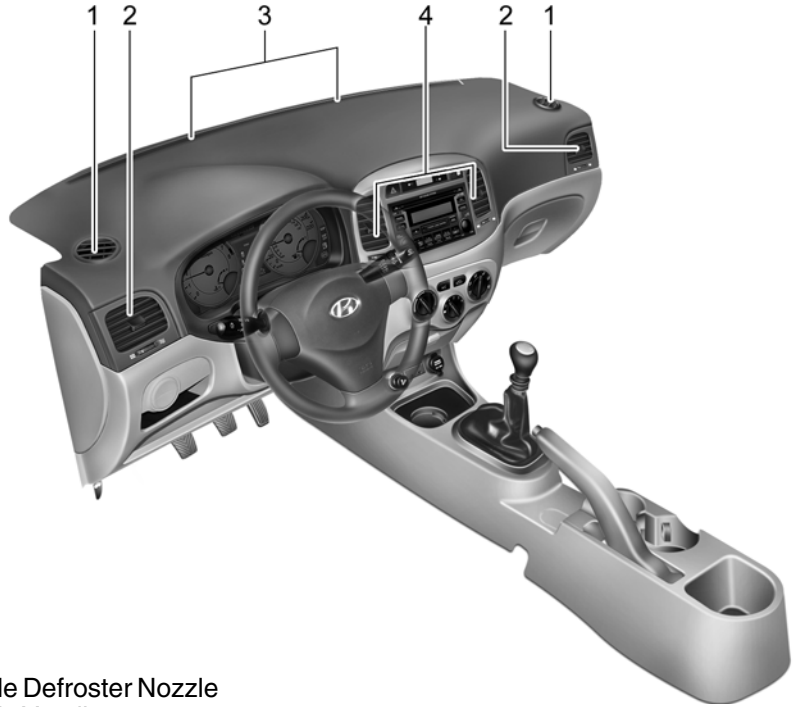
HORN

B610B01L-GAT

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

B710A01TB-GAT

(If Installed)



1. Side Defroster Nozzle
2. Side Ventilator
3. Windshield Defroster Nozzle
4. Center Ventilator

B710A01MC

B710B01MC-AAT

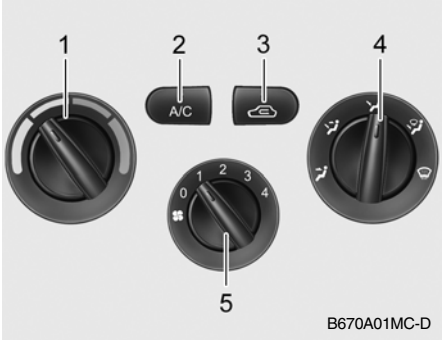
Center Ventilator/Side Ventilator

The center ventilators are located in the middle of the dashboard. The side ventilators are located on each side of dashboard. To change the direction of the air flow, move the knob in the center of the vent up-and-down and side-to-side.

The vents are opened when the vent knob is moved to " ≋ " position. The vents are closed when the vent knob is moved to " ⊠ ". Keep these vents clear of any obstructions.

B670A02A-GAT

(If Installed)



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

B670B01A-AAT

Fan Speed Control (Blower Control)

This is used to turn the blower fan on or off and to select the fan speed.
This 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" positions.

B670C03A-AAT

Air Intake Control Switch

This is used to select fresh outside air or recirculating inside air.

Fresh
Recirculation

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

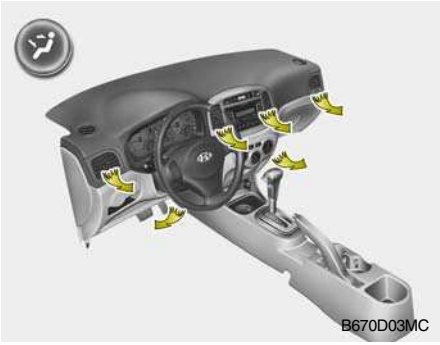
B670D03MC-GAT

Air Flow Control

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

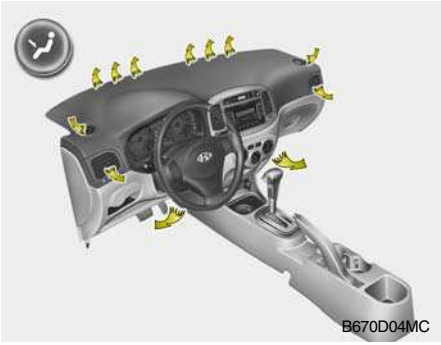
Face-Level

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



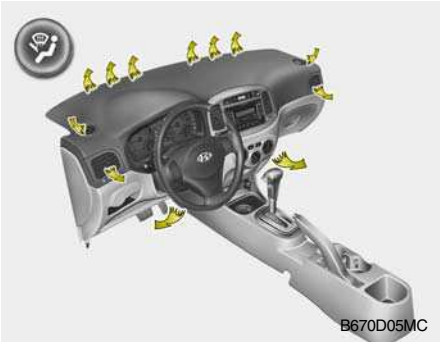
Bi-Level

Air is discharged through the face vents and the floor vents.



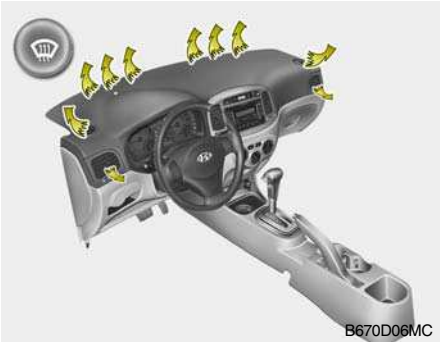
Floor-Level

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.

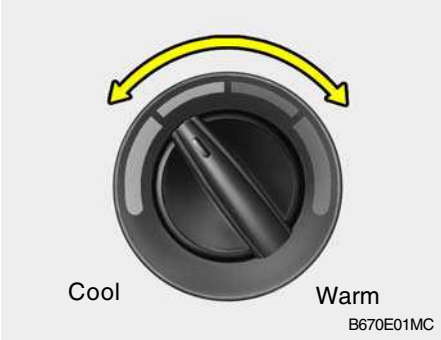


Defrost-Level

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

B670E02A-AAT

Temperature Control



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

B690A01MC-GAT

For normal heating operation, set the air intake control to the fresh air ( ) position and the air flow control to the floor ( ) position.
For faster heating, the air intake control should be set in the recirculate ( ) position.
If the windows fog up, set the air flow control to the defrost ( ) position. (Push the A/C button to turn the air conditioning system on and set the air intake control to the fresh air ( ) position.)
For maximum heat, move the temperature control to "Warm".

BI-LEVEL HEATING

B700A02A-AAT

B700B01MC-D

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:

- o Set the air intake control to the fresh air ( ) position.
- o Set the air flow control at the bi-level ( ) position.
- o Adjust the fan speed control to the desired speed.
- o Set the temperature control between "Cool" and "Warm".

VENTILATION

B710A01A-AAT

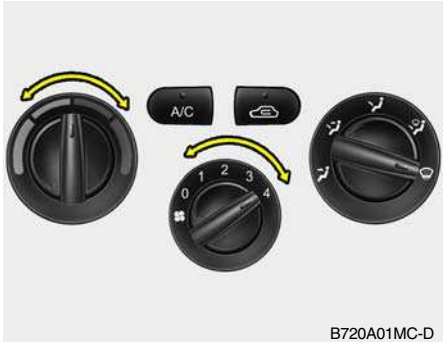
B710A01MC-D

To operate the ventilation system:

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

DEFROSTING/DEFOGGING

B720A01MC-GAT



B720A01MC-D

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

To remove interior fog on the windshield:

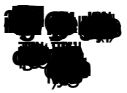
- o Set the air flow control to the defrost ( ) position. (Push the A/C button to turn the air conditioning system on and set the air intake control to the fresh air ( ) position.)
- o Set the temperature control to the desired position.
- o Set the fan speed control between "1" and "4" position.

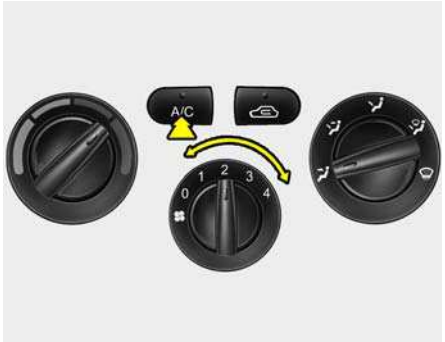
To remove the frost or exterior fog on the windshield:

- Set the air flow control to the defrost ( ) position. (Push the A/C button to turn the air conditioning system on and set the air intake control to the fresh air ( ) position.)
- Set the temperature control to warm.
- Set the fan speed control to position "3" or "4".

A/C
0
1
2
3
4

A/C
0
1
2
3
4





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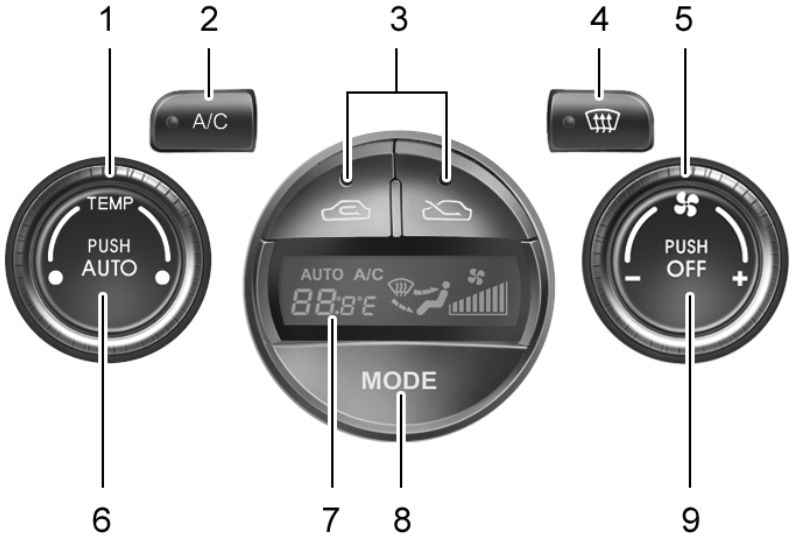

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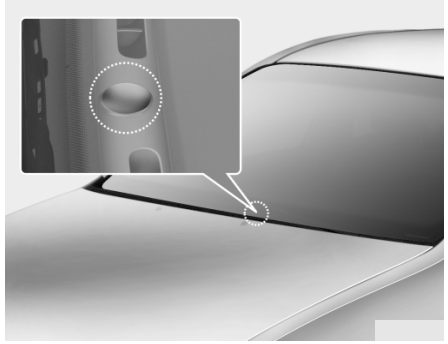

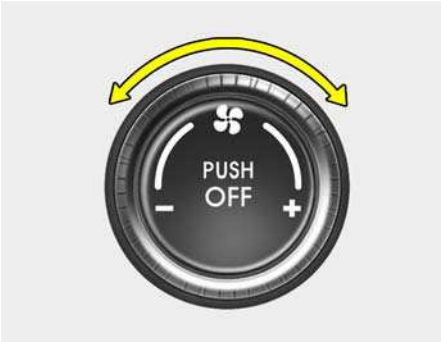

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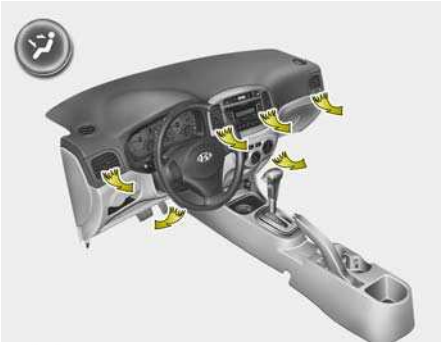

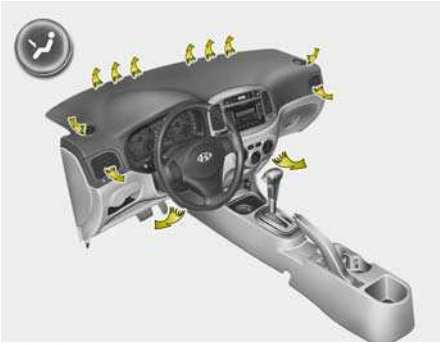

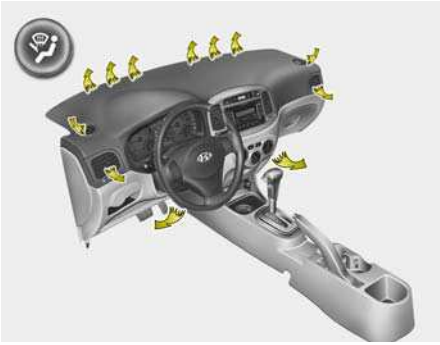

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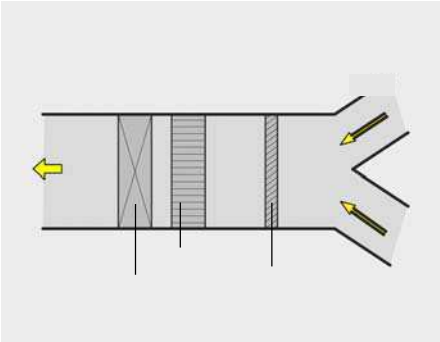

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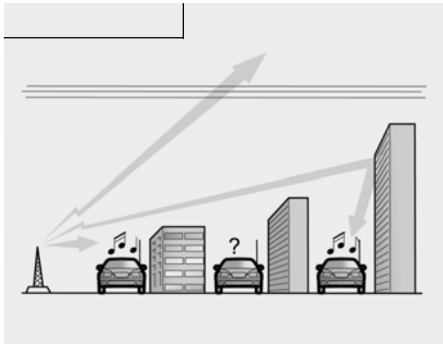

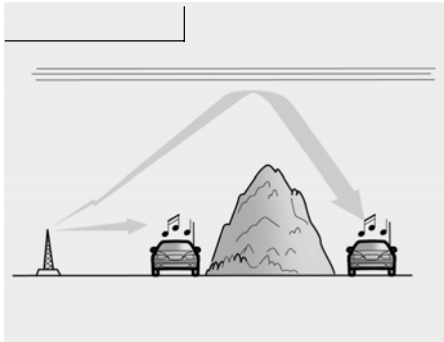

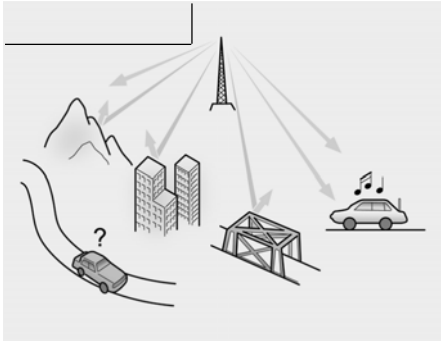

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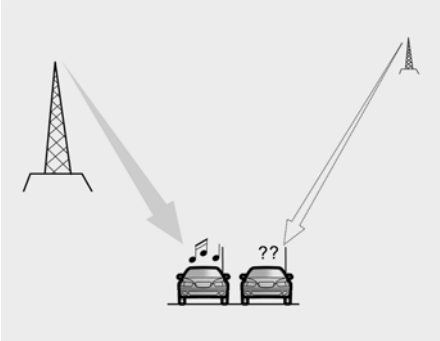
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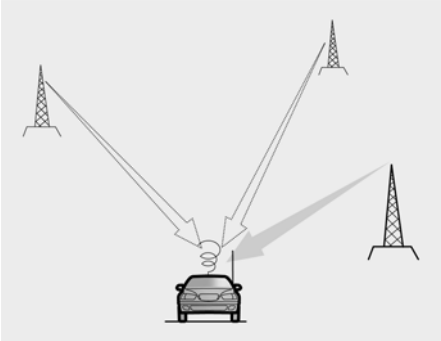

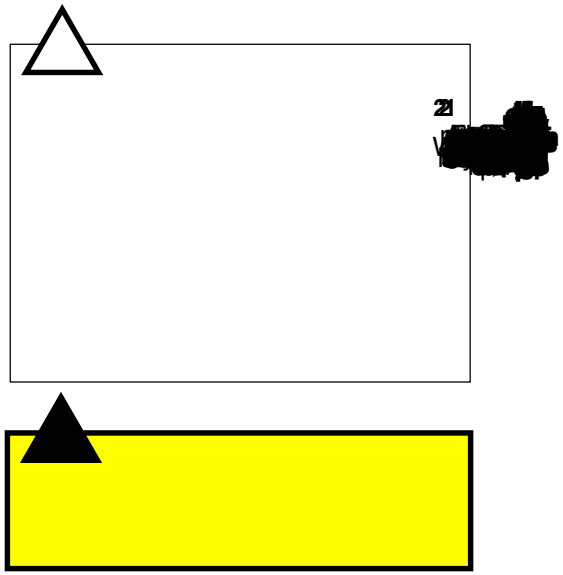
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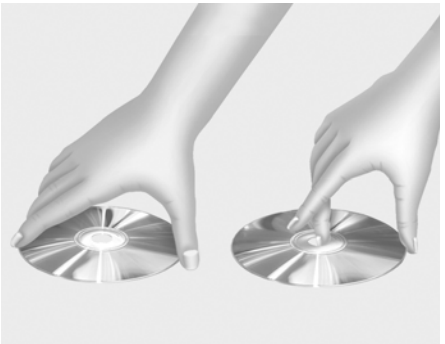

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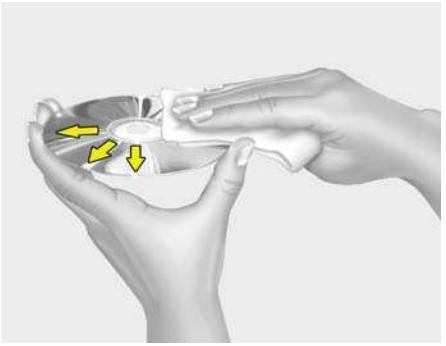

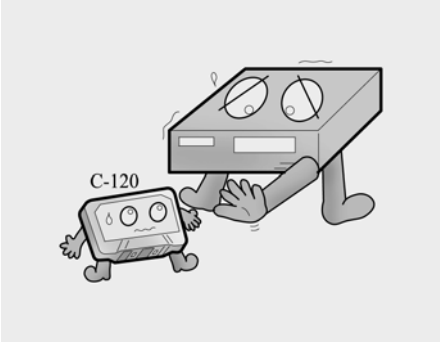

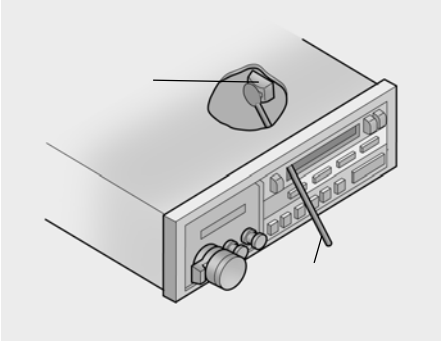

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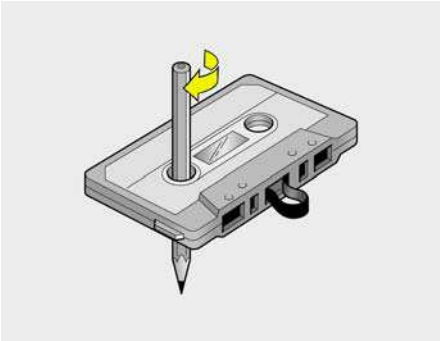
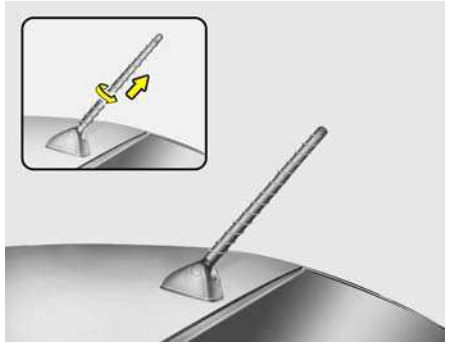
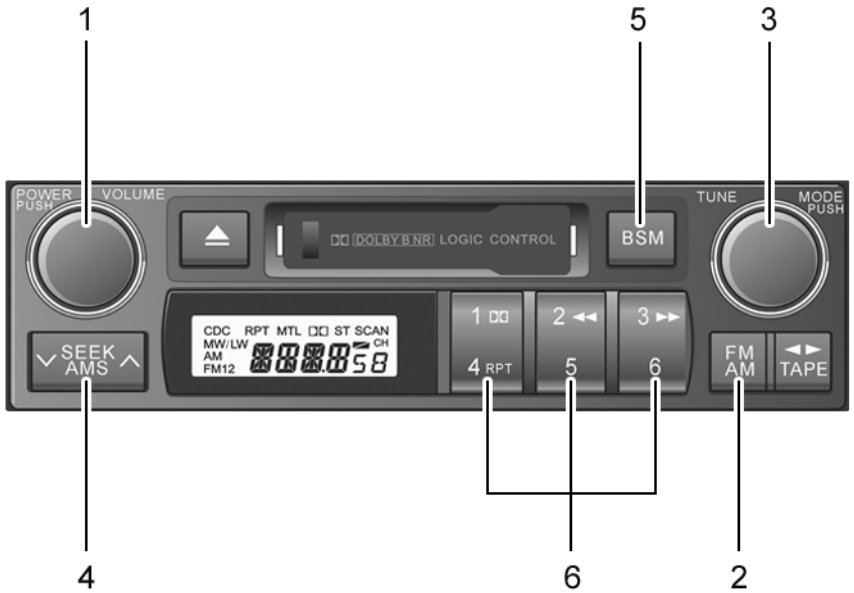




M420A01MC-GAT

STEREO RADIO PLAYER OPERATION (M420) (If Installed)



M420A01MC

1. POWER ON-OFF, VOLUME Control Knob
2. BAND Select Button
3. TUNE/MODE Select Knob
4. AUTO SEEK Select Button
5. Best Station Memory (BSM) Button
6. PRESET Station Select Buttons

M420B01MC-GAT

1. POWER ON-OFF Control Knob

The radio unit may be operated when the ignition key is in the “ACC” or “ON” position. Press the knob to switch the power on. The LCD shows the radio frequency in the radio mode or the tape direction indicator in the tape mode. To switch the power off, press the knob again.

VOLUME Control

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

2. BAND Select Button

Pressing the FM/AM button changes the AM(MW, LW), FM1 and FM2 bands.

3. TUNE/MODE Select Knob

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

Mode Select Knob

Pressing the MODE knob changes the BASS, MIDDLE, TREBLE, FADER and BALANCE mode.
The mode selected is shown on the display.
After selecting the each mode, rotate the mode select knob clockwise or counterclockwise.

BASS Control

To increase the BASS, rotate the knob clockwise, while to decrease the BASS, rotate the knob counterclockwise.

MIDDLE Control

To increase the MIDDLE, rotate the knob clockwise, while to decrease the MID, rotate the knob counterclockwise.

TREBLE Control

To increase the TREBLE, rotate the knob clockwise, while to decrease the TREBLE, rotate the knob counterclockwise.

FADER Control

Rotate the control knob clockwise to emphasize rear speaker sound (front speaker sound will be attenuated). When the control knob is turned counterclockwise, front speaker sound will be emphasized (rear speaker sound will be attenuated).

BALANCE Control

Rotate the knob clockwise to emphasize right speaker sound (left speaker sound will be attenuated). When the control knob is turned counterclockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

4. AUTO SEEK Select Button (Automatic Channel Selection)

Press the AUTO SEEK select button. 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. Best Station Memory (BSM) Button

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

6. PRESET STATION Select Buttons

Six stations for AM(MW, LW), FM1 and FM2 respectively can be preset in the electronic memory circuit.

HOW TO PRESET STATIONS

Six AM(MW, LW) and twelve FM stations may be programmed into the memory of the radio. Then, by simply pressing the AM(MW, LW) / FM 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:

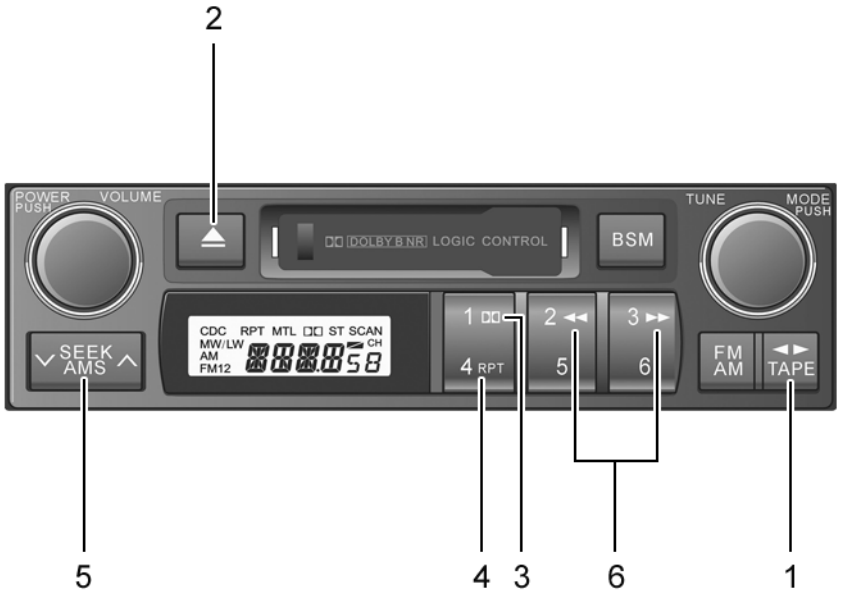
- Press AM(MW, LW)/FM selector to set the band for AM(MW, LW), FM1 and FM2.
- Select the desired station to be stored by seek or manual tuning.
- Determine the preset station select button you wish to use to access that station.
- Press the station select button for more than two seconds. A select button 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 24 stations can be programmed by selecting one AM(MW, LW) and two FM station per button.
- When completed, any preset station may be recalled by selecting AM(MW, LW), FM1 or FM2 band and the appropriate station button.

CAUTION:

- **Do not place beverages close to the audio system. The audio system mechanism may be damaged if you spill them.**
- **Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**

M420C01MC-GAT

CASSETTE TAPE PLYER OPERATION (M420) (If Installed)



1. TAPE PROGRAM Button
2. TAPE EJECT Button
3. DOLBY Button
4. REPEAT (RPT) Button
5. AUTO MUSIC Search (AMS) Button
6. FF/REW Button

M420C01MC

M420D01MC-GAT

1. TAPE PROGRAM Button

This allows you to play the reverse side of the tape by merely pressing the program button. The PLAY and an arrow will appear in the display to show tape direction.

2. TAPE EJECT Button

- o When the button is pressed with a cassette loaded, the cassette will eject.
- o When the button is pressed during FF/REW mode, the cassette will eject.

3. 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.

4. REPEAT (RPT) Button

- o To repeat the track you are currently listening to, press the RPT button. To cancel , press again.
- o If you do not release RPT operation when the track ends, it will automatically be replayed.
  This process will be continued until you push the button again.

5. AUTO MUSIC Search (AMS) 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 Search button.

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

6. FF/REW Button

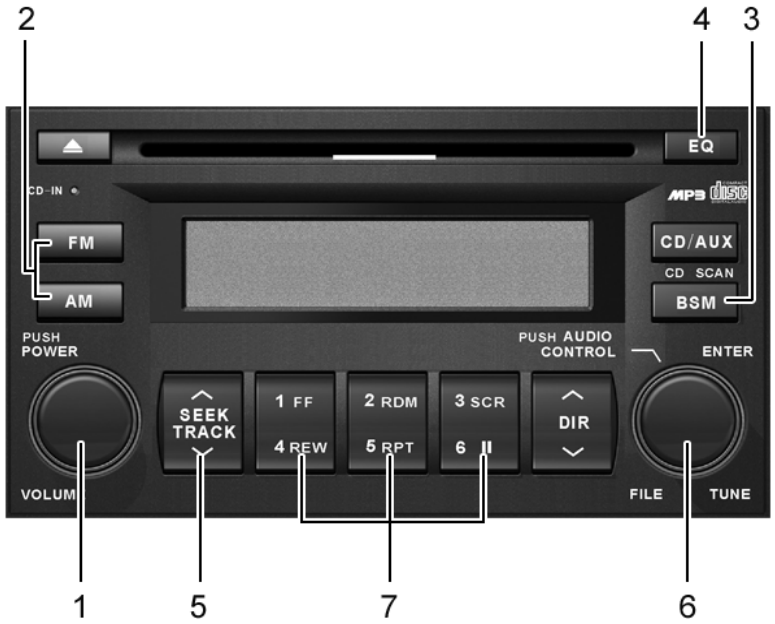
- o Fast forward tape winding starts when the ▶▶ button is pressed during PLAY or REW mode.
- o PLAY starts when the ▶▶ button is pressed again during FF mode.
- o Tape rewinding starts when the ◀◀ button is pressed during PLAY or FF mode.
- o PLAY starts when the ◀◀ button pressed again during REW mode.

CAUTION:

- **o Do not insert anything like coins into the player slot as damage to the unit may occur.**
- **o Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**
- **o Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**

H446A01MC-GAT

STEREO RADIO PLAYER OPERATION (H446) (If Installed)



1. POWER ON-OFF, VOLUME Control Knob
2. BAND Select Button
3. BEST STATION MEMORY (BSM) Button
4. EQ Button
5. AUTO SEEK Select Button
6. TUNE (MANUAL), AUDIO Select Knob
7. PRESET STATION Select Buttons

H446A01MC

H446B01MC-GAT

1. POWER ON-OFF Control Knob

- o 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 LCD shows the radio frequency in the radio mode, CD/MP3 track in the CD/MP3 mode. To switch the power off, press the button again.
- o Push the FM, AM or CD/MP3 to turn on that function without pushing power ON-OFF control knob.

VOLUME Control

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

2. BAND Select Button

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

3. Best Station Memory (BSM) Button

When the BSM button is pressed, 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.

4. EQ Button

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

CLASSIC → POPS → ROCK → JAZZ → OFF

5. AUTO SEEK Select Button (Automatic Channel Selection)

Press the AUTO SEEK select button. 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.

6. TUNE (Manual) Select Knob

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

AUDIO Select Button

Pressing the AUDIO button changes the BASS, TREBLE, FADER and BALANCE mode.
The mode selected is shown on the display.
After selecting the each mode, rotate the Volume control knob clockwise or counterclockwise.

o BASS Control

To increase the BASS, rotate the knob clockwise, while to decrease the bass, rotate the knob counterclockwise.

o TREBLE Control

Turn to the left or right for the desired treble tone.

o FADER Control

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

o BALANCE Control

Rotate the knob clockwise to emphasize right speaker sound (Left speaker sound will be attenuated). When the control knob is turned counterclockwise, left speaker sound will be emphasized (Right speaker sound will be attenuated).

7. PRESET STATION Select Buttons

Six stations for AM, FM1 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 AM, FM selector to set the band for AM, FM1 and FM2.
- o Select the desired station to be stored by seek 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. Beep sound will be heard while depressing the button. You should then release the button, and proceed to program the next desired station.

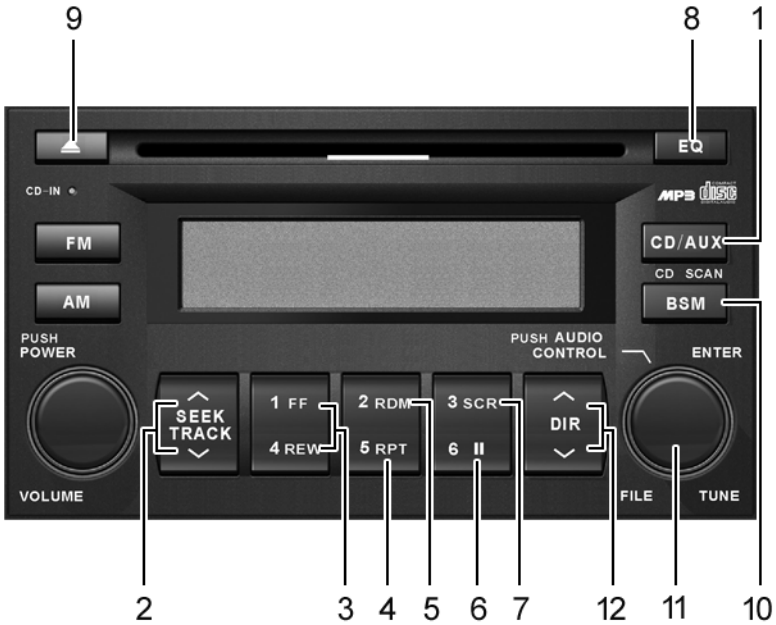
  A total of 18 stations can be programmed by selecting one AM and two FM station per button.
- o When completed, any preset station may be recalled by selecting AM, FM1 or FM2 band and the appropriate station button.

CAUTION:

- **o Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**
- **o Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**

H446C01MC-GAT

COMPACT DISC PLAYER OPERATION (H446) (If Installed) - Compatiable with MP3/WMA



1. CD/AUX Select Button
2. TRACK UP/DOWN Button
3. FF/REW Button
4. REPEAT (RPT) Button
5. RANDOM (RDM) Button
6. PAUSE (II) Button
7. SCROLL (SCR) Button
8. EQ Button
9. CD EJECT Button
10. CD SCAN Button
11. FILE SEARCH Knob
    (TUNE Select Knob)
12. DIRECTORY SEARCH Button

H446C01MC

H446D01MC-GAT

1. CD Select Button

- o Insert the CD with the label facing upward.
- o Insert the CD to start CD playback, during radio operation.
- o If you press the CD button while a disc is in the CD deck, the CD player will begin playing even if the radio player is being used.
- o The CD player can be used when the ignition switch is in either the "ON" or "ACC" position.
- o Push the CD button to start CD playback without pushing power ON-OFF control knob. (Only when a CD is in the deck.)

NOTE :

- **o Do not stick paper or tape etc., on the label side or the recording side of any discs, as it may cause a malfunction.**
- **o The unit can play a multi-session CD-R (recordable CD) and CD-RW (rewritable CD) that consists of more than two sessions. Please refer to the manual of CD-R/CD-RW recorder or CD-R/CD-RW software for more information on finalization process.**
- **o Depending on the recording status, some CD-Rs/CD-RWs may not be played on this unit.**
- **o Playback of MP3 and WMA file formats are supported. Load to play time for these formats may be longer due to the compressed nature of these discs.**

AUX Select Button

Listening to the external player connected to AUX-IN

- o Connect the external player to AUX-IN.
- o Press CD/AUX button to turn to AUX-IN.
- o You can enjoy the music played in the external player through the auto mobile speaker.

NOTE :

- **o If the AUX device is not connected, you cannot switch to AUX-IN mode.**
- **o When the AUX device is disconnected while in AUX-IN mode, the unit automatically switches its mode to last selected mode (CD mode or RADIO mode).**
- **o The quality of sound may be defected or distorted when the unit's EQ control and AUX device's EQ control are both enabled (not flat). When you want to use the unit's EQ control feature, disable the AUX device's EQ control feature, and vice versa.**
- **o When using a portable audio device connected to the power outlet, noise may occur during playback. If this happens, use the power source of the portable audio device.**

2. TRACK UP/DOWN Button

- o The desired track on the disc currently being played can be selected using the track number.
- o Press ∧ button once to skip forward to the beginning of the next track. Press ∨ within a second after playback begins to quickly move backward through a CD. If you press ∨ after more than a second, it will take you to the beginning of the file you are now listening to.

3. FF/REW Button

If you want to fast forward or reverse through the compact disc track, push and hold the FF or REW button.
When you release the button, the compact disc player will resume playing.

4. REPEAT (RPT) Button

- o To repeat the track you are currently listening to, press the RPT button. To cancel, press it again.
- o To repeat the music within selected folder, press the RPT button for more than 1 second. Beep sound will be heard depressing the button. To cancel, press it again (MP3 CD only).
- o If you do not release RPT operation when the track ends, it will automatically be replayed. This process will be continued until you push the button again or turn the power OFF then ON.

5. RANDOM (RDM) Button

- o Press the RDM button to listen to recorded tracks in random sequence. Press RDM again to cancel or turn the audio unit OFF then ON. The unit defaults to playing tracks in sequential order.
- o To listen the music within the selected folder in random order, press the RDM button within a second. Press the button more than a second to play all tracks randomly on the disc. To cancel, press it again or or turn the power OFF then ON (MP3 CD only).

6. PAUSE (II) Button

Press the PAUSE (II) button to pause the disc.

7. SCROLL (SCR) Button

When the CD is playing, you can scroll through long file names by pressing the SCR button for approximately one second. The file name will appear on the LCD for about three seconds.

8. EQ Button

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

CLASSIC → POPS → ROCK → JAZZ → OFF

9. CD EJECT Button

When the ▲ button is pressed with a CD loaded, the CD will eject.
Forcing to eject : To force to eject a CD, press this button for more than 2 seconds.
(Do this only when a CD is jammed and you can not eject it in the normal way.)

10. CD SCAN Button

- To playback the first 10 seconds of each track, press the CD SCAN button more than 1 second.
- To playback the first 10 seconds of each track in the selected folder, press the CD SCAN button within 1 second (MP3 CD only).
- Press the CD SCAN button again within 10 sec. when you have reached the desired track.

11. FILE SEARCH Knob (TUNE Select Knob)

- You can skip the track by turning the FILE SEARCH knob clockwise or counterclockwise.
  After selecting the desired track, press the FILE SEARCH knob to playback the track.
  If you do not press the FILE SEARCH knob within five seconds, the search will stop.

12. DIRECTORY SEARCH Button

- You can move through the folder by pushing the DIR button to up (∧) and down (∨).
  After moving the desired folder, press the FILE SEARCH knob to playback the selected folder.
  If you do not press the FILE SEARCH knob within five seconds, the search will stop.

NOTE :

- **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.**
- **When replacing the fuse, replace it with a fuse having the correct capacity.**
- **All stored bookmarks are all erased when the car battery is disconnected or power to the vehicle is lost. If this occurs, the bookmarks will have to be reset.**
- **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.**
- **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.**
- **Do not insert anything like coins into the player slot as damage to the unit may occur.**
- **Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**

- Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.
- Off-road or rough surface driving may cause the compact disc to skip. Do not use the compact disc when driving in such conditions as damage to the compact disc face could occur.
- Do not attempt to grab or pull the compact disc out while the disc is being pulled into the audio unit by the self-loading mechanism. Damage to the audio unit and compact disc could occur.
- Avoid using recorded compact discs in your audio unit. Original compact discs are recommended.

RADIO, SET UP, VOLUME CONTROL (PA710R) (If Installed)

1. AM Selection Button
2. FM Selection Button
3. TA Selection Button
4. Automatic Channel Selection Button
5. Power ON/OFF & Volume Control Button
6. SCAN Button
7. AUTO STORE Button
8. SETUP Button
9. Information Display Button
10. PTY(FOLDER) Button
11. TUNE/ENTER Button
12. PRESET Button

A-200MCEA

1. AM Selection Button

Turns to AM mode, and toggles AM and AMA when the button is pressed each time.

2. FM Selection Button

Turns to FM mode and toggles in the order of FM1 ➟ FM2 ➟ FMA ➟ FM1··· when the button is pressed each time.

3. TA Selection Button

In FM, CD, AUX mode, turns on/off the reception of TA channels of RDS..

4. Automatic Channel Selection Button

- o When the [SEEK ∨] button is pressed, it reduces the band frequency by 50khz to automatically select channel. Stops at the previous frequency if no channel is found.
- o When the [SEEK ∧] button is pressed, it increases the band frequency by 50khz to automatically select channel.
  Stops at the previous frequency if no channel is found.

5. Power ON/OFF & Volume Control Button

Turns on/off the set when the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left, decreases the volume.

6. SCAN Button

If this button is pressed, the frequencies will become increased and receive the corresponding broadcasts.
This function will play the frequencies for 10 seconds each and find other broadcasts as the frequency increases.
Press the button again when desiring to continue listening to the currently playing broadcast.

7. AUTO STORE Button

- o When you press the [AST] button, the mode changes to 'Auto store Band' and it saves the result.
  (FA1 or FM2 change to FMA, AM changes to AMA.)
- o When the button is pressed, it automatically selects and saves channels with high reception rate to PRESET buttons [1]~[6] and plays the channel saved in PRESET1.
  If no channel is saved after AST, it will play the previous channel.

8. SETUP Button

Press this button to turn to the SCROLL, TA VOL, P.BASS, NEWS and REGION adjustment mode.
If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SETUP mode, move between items using the left, right and PUSH functions of the TUNE button.)
The setup Items changes from SCROLL ↔ AF ↔ TA VOL ↔ P.BASS ↔ NEWS ↔ REGION.

9. Information Display Button
Displays the information of the channel currently played by RDS.

10. PTY(FOLDER) Button
- o Moves [PTY∨] button when searching PTY in RDS Broadcasting Program Type selection.
- o Moves [PTY∧] button when searching PTY in RDS Broadcasting Program Type selection.

11. TUNE/ENTER Button
Turn this button clockwise by one notch to increase frequency from current frequency.
Turn this button counterclockwise by one notch to decrease frequency from current frequency.
The frequency cahnges by 0.05Mhz in FM MODE and 9Khz in AM MODE.
Press this button while holding SETUP button to activate / inactivate the item to.
Select SETUP item using left and right function of the Tune button.

12. PRESET Button
Push [1]~[6] buttons less than 0.8 second to play the channel saved in each button.
Push PRESET button for 0.8 second or longer to save current channel to the respective button with a beep.

CAUTION:
- **o Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**
- **o Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**

CD (PA710R) (If Installed)

1. CD Loading Slot
2. CD Indicator
3. CD Eject Button
4. CD Selection Button
5. Automatic Track Selection Button
6. Information Display Button
7. TUNE/ENTER Button
8. RANDOM Play Button
9. REPEAT Button
10. SCAN Play Button
11. FOLDER Button

A-200MCEA

1. CD Loading Slot
Please face printed side upward and gently push in. When the ignition switch is on ACC or ON and power is off, power is automatically turned on if the CD is loaded. This CDP supports only 12cm CD. if VCD, Data CD, are loaded, "Er-6" message will appear and CD will be ejected.

2. CD Indicator
When car ignition switch is ACC or ON and if the CD is loaded, this indicator is lighted. If the CD is ejected the light is turned off.

3. CD Eject Button
Push ▲ button to eject the CD. This button is enabled when ignition switch is off.

4. CD Selection Button
If there is a CD in the CDP DECK it plays the CD.
Press CD Button to automatically insert CD when the disc is ejected from the deck by pressing CD EJECT.

5. Automatic Track Selection Button
- o Push [SEEK ∨] button for less than 0.8 second to play from the beginning of current song.
- o Push [SEEK ∨] button for less than 0.8 second and press again within 1 seconds to play the previous song.
- o Push [SEEK ∨] button for 0.8 or longer to initiate reverse direction high speed sound search of current song.
- o Push [SEEK ∧] button for less than 0.8 second to play the next song.
- o Push [SEEK ∧] button for 0.8 or longer to initiate high speed sound search of current song.

6. Information Display Button
Displays the information of the current CD TRACK in the order of DISC TITLE ➟ DISC ARTIST ➟ TRACK TITLE ➟ TRACK ARTIST ➟ TOTAL TRACK ➟ Play Screen ➟ DISC TITLE ➟ ….(not displayed if the information is not available on the DISC.)
(If MP3 is displayed FILE NAME ➟ TITLE ➟ ARTIST ➟ ALBUM ➟ FOLDER ➟ TOTAL FILE ➟ FILE NAME ➟ ….)

7. TUNE/ENTER Button
Turn this button clockwise to display songs after current song.
Also, turn this button counterclockwise to display songs before current song.
To listen to the displayed song, press the button to skip to the song and play.

8. RANDOM Play Button
Turns on/off the randomization of the play list of files in the currently played DISC.
To cancel the mode, press the key once again.

9. REPEAT Button
Repeats current song when the button is pressed for less than 0.8 second.
Repeats current folder when the button is pressed for 0.8 second or longer. (If there is no folder, entire disc will be repeated.)

10. SCAN Play Button
Plays first 10 seconds of each song in the DISC. To cancel the mode, press the key once again.

11. FOLDER Button

Folder up/down operation.

- o Folder is moved up or down from currently playing and folder name becomes displayed.
- o Press TUNE/ENTER button to play the selected folder.
- o If the TUNE/ENTER button is not pressed within 5 seconds, then the previous folder name will be displayed again.

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 All stored bookmarks are all erased when the car battery is disconnected or power to the vehicle is lost. If this occurs, the bookmarks will have to be reset.**
- **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 CD) to water or excessive moisture.**

CAUTION:

- **o Do not insert warped or poor quality discs into the CD player as damage to the unit may occur.**
- **o Do not insert anything like coins into the player slot as damage to the unit may occur.**
- **o Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**
- **o Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**
- **o Off-road or rough surface driving may cause the compact disc to skip. Do not use the compact disc when driving in such conditions as damage to the compact disc face could occur.**
- **o Do not attempt to grab or pull the compact disc out while the disc is being pulled into the audio unit by the self-loading mechanism. Damage to the audio unit and compact disc could occur.**

RADIO, SET UP, VOLUME CONTROL (PA710) (If Installed)

1. AM Selection Button
2. FM Selection Button
3. Automatic Channel Selection Button
4. Power ON/OFF & Volume Control Button
5. SCAN Button
6. Auto Store Button
7. SETUP Button
8. TUNE/ENTER Button
9. PRESET Button

A-200MCEA

1. AM Selection Button
Pressing the [AM] button selects the AM band.

2. FM Selection Button
Turns to FM mode and toggles FM1 and FM2 when the button is pressed each time.

3. Automatic Channel Selection Button
- o When the [SEEK ∨] button is pressed, it reduces the band frequency by 50khz to automatically select channel. Stops at the previous frequency if no channel is found.
- o When the [SEEK ∧] button is pressed, it increases the band frequency by 50khz to automatically select channel.
  Stops at the previous frequency if no channel is found.

4. Power ON/OFF & Volume Control Button
Turns on/off the set when the IGNITION SWITCH is on ACC or ON. If the button is turned to the right, it increases the volume and left, decreases the volume.

5. SCAN Button
If this button is pressed, the frequencies will become increased and receive the corresponding broadcasts.
This function will play the frequencies for 10 seconds each and find other broadcasts as the frequency increases.
Press the button again when desiring to continue listening to the currently playing broadcast.

6. AUTO STORE Button
When the button is pressed, it automatically selects and saves channels with high reception rate to PRESET buttons (1~6) and plays the channel saved on PRESET1.
If no channel os saved after AST, it will play the previous channel.

7. SETUP Button
Press this button to turn to the SCROLL and P.BASS adjustment mode.
If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SETUP mode, move between items using the left, right and PUSH functions of the TUNE button.)
The setup Items changes from SCROLL ↔ P.BASS.

8. TUNE/ENTER Button
Turn this button clockwise one notch to increase frequency from current frequency.
Turn this button counterclockwise by one notch to decrease frequency from current frequency.
The frequency cahnges by 0.2Mhz in FM MODE and 9Khz in AM MODE.
Press this button while holding SETUP button to activate/inactivate the item to.
Select SETUP item using left and right function of the Tune button.

9. PRESET Button

Push [1]~[6] buttons less than 0.8 second to play the channel saved in each button.
Push PRESET button for 0.8 second or longer to save current channel to the respective button with a beep.

CAUTION:

- **Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**
- **Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**

CD (PA710) (If Installed)

1. CD Loading Slot
2. CD Indicator
3. CD Eject Button
4. CD Selection Button
5. AUX Selection Button
6. Automatic Track Selection Button
7. Information Display Button
8. TUNE/ENTER Button
9. RANDOM Play Button
10. REPEAT Button
11. SCAN Play Button
12. FOLDER Button

A-200MCEA

1. CD Loading Slot
Please face printed side upward and gently push in. When the ignition switch is on ACC or ON and power is off, power is automatically turned on if the CD is loaded. This CDP supports only 12cm CD. If VCD, Data CD, are loaded, "Er-6" message will appear and CD will be ejected.

2. CD Indicator
When car ignition switch is ACC or ON and if the CD is loaded, this indicator is lighted. If the CD is ejected the light is turned off.

3. CD Eject Button
Push button to eject the CD. This button is enabled when ignition switch is off.

4. CD Selection Button
If there is a CD in the CDP DECK it plays the CD.
Press CD button to automatically insert CD when the disc is ejected from the deck by pressing CD EJECT.

5. AUX Selection Button
If AUX function is not supported, when you push the button, no function wil be done. (‘NO MEDIA’ will be displayed)

6. Automatic Track Selection Button
- Push [SEEK ∨] button for less than 0.8 second to play from the beginning of current song.
- Push [SEEK ∨] button for less than 0.8 second and press again within 1 secondto play the previous song.
- Push [SEEK ∨] button for 0.8 or longer to initiate reverse direction high speed sound search of current song.
- Push [SEEK ∧] button for less than 0.8 second to play the next song.
- Push [SEEK ∧] button for 0.8 or longer to initiate high speed sound search of current song.

7. Information Display Button
Displays the information of the current CD TRACK in the order of DISC TITLE ➟ DISC ARTIST ➟ TRACK TITLE ➟ TRACK ARTIST ➟ TOTAL TRACK ➟ Play Screen ➟ DISC TITLE ➟ ···. (not displayed if the information is not available on the DISC.)
(If MP3 is displayed FILE NAME ➟ TITLE ➟ ARTIST ➟ ALBUM ➟ FOLDER ➟ TOTAL FILE ➟ FILE NAME ➟ ···.)

8. TUNE/ENTER Button
Turn this button clockwise to display songs after current song.
Also, turn this button counterclockwise to display songs before current song.
To listen to the displayed song, press the button to skip to the song and play.

9. RANDOM Play Button
Turns on/off the randomization of the play list of files in the currently played DISC.
To cancel the mode, press the key once again.

9. REPEAT Button

Repeats current song when the button is pressed for less than 0.8 second.
Repeats current folder when the button is pressed for 0.8 second or longer. (If there is no folder, entire disc will be repeated.)

10. SCAN Play Button

Plays first 10 seconds of each song in the DISC.
To cancel the mode, press the key once again.

11. FOLDER Button

Folder up/down operation.

- o Folder is moved up or down from currently playing and folder name becomes displayed.
- o Press TUNE/ENTER button to play the selected folder.
- o If the TUNE/ENTER button is not pressed within 5 seconds, then the previous folder name will be displayed again.

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 All stored bookmarks are all erased when the car battery is disconnected or power to the vehicle is lost. If this occurs, the bookmarks will have to be reset.**
- **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 CD) to water or excessive moisture.**

CAUTION:

- **o Do not insert warped or poor quality discs into the CD player as damage to the unit may occur.**
- **o Do not insert anything like coins into the player slot as damage to the unit may occur.**
- **o Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.**
- **o Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.**
- **o Off-road or rough surface driving may cause the compact disc to skip. Do not use the compact disc when driving in such conditions as damage to the compact disc face could occur.**
- **o Do not attempt to grab or pull the compact disc out while the disc is being pulled into the audio unit by the self-loading mechanism. Damage to the audio unit and compact disc could occur.**

DRIVING YOUR HYUNDAI

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C010A01A-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 trunk lid/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.

BEFORE STARTING THE ENGINE

C020A03O-GAT

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.

WARNING:
- **Always wear appropriate shoes when operating your vehicle. Unsuitable shoes (high heels, ski boots, etc.) may interfere with your ability to use the brake and accelerator pedal, and the clutch (if installed).**
- **When you intend to park or stop the vehicle with the engine on, be careful not to depress the accelerator pedal for a long period of time. It may overheat the engine or exhaust system and cause fire.**

TO START THE ENGINE

C030A01A-GAT

COMBINATION IGNITION SWITCH

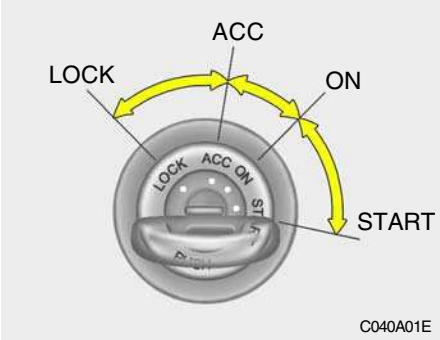
- If your Hyundai is equipped with a manual transaxle, place the shift lever in neutral and depress the clutch pedal fully.
- If your Hyundai has an automatic transaxle, place the shift lever in "P" (park).
- To start the engine, insert the ignition key and turn it to the "START" position. Release it 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).

KEY POSITIONS

C040A02A-AAT

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.

o "ACC"

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

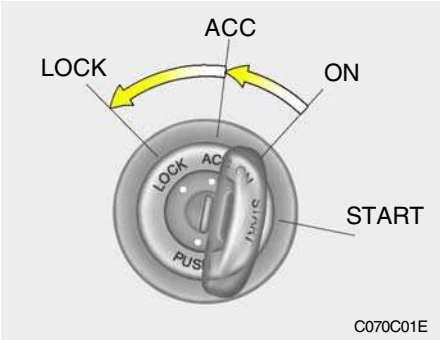
o "LOCK"

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

NOTE:
If difficulty is experienced turning the ignition key to the ACC position, turn the key while turning steering wheel right and left to release the tension.

C070C01A-AAT

To Remove The Ignition Key

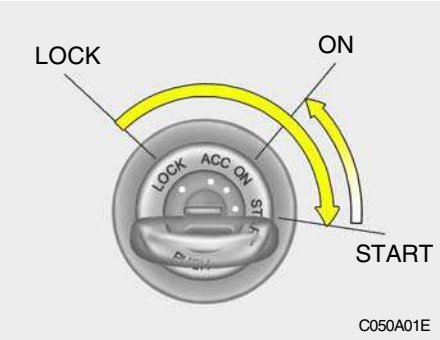


1. Turn the ignition key to the "ACC" position.
2. Simultaneously push and turn the ignition key counterclockwise from the "ACC" position to the "LOCK" position.
3. The key can be removed in the "LOCK" position.

STARTING

C050A01A-AAT

STARTING FOR THE GASOLINE ENGINE



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 FOR THE 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

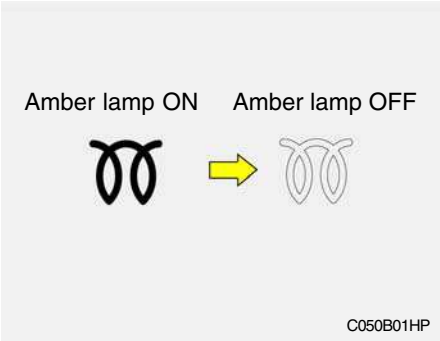
Operate the starter. If the engine does not respond on the first attempt, wait several seconds and try again using the pre-heat.

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 indicator light, turn the ignition key to the "ON" position. The diesel pre-heat indicator light will first illuminate in amber, and then after a short time, the amber illumination will go off, indicating that preheating is completed.



NOTE:
If the engine were not started within 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

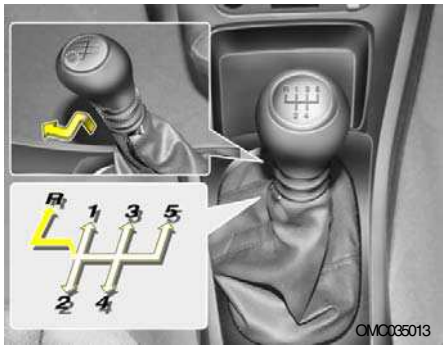
STARTING AND STOPPING THE ENGINE FOR TURBO CHARGER INTERCOOLER (Diesel Engine)

(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.

OPERATING THE MANUAL TRANSAXLE

C070A03MC-GAT



Your Hyundai's manual transaxle has five forward gears and one reverse gear. 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.
When shifting into reverse gear, pull the mis-shift prevention tab and shift into reverse gear position.

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 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:

- **Do not downshift more than 2 gears or downshift the gear when the engine is running at high speed (5,000 RPM or higher). Such downshifting may damage the engine.**
- **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.**

WARNING:
If your vehicle has a manual transaxle not equipped with a ignition lock switch, it may move and cause a serious accident when starting the engine without depressing the clutch pedal while the parking brake is released and the shift lever not in the N(Neutral) position.

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.

C070E03A-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 above are recommended for optimum fuel economy and performance.

C070D02O-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 espe-

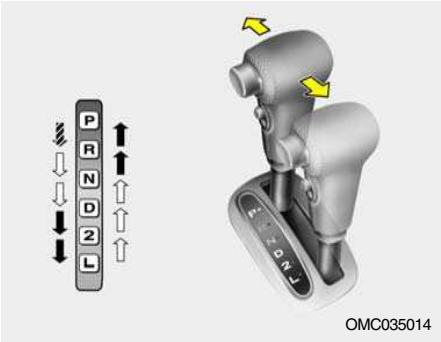
AUTOMATIC TRANSAXLE

cially 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:

- **Avoid high cornering speeds.**
- **Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.**
- **Always wear your seat belts. In a collision crash, an unbelted person is significantly more likely to die than a person wearing a seatbelt.**
- **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.**
- **Never exceed posted speed limits.**

C090A01A-GAT



OMC035014

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.

CAUTION:

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

NOTE:

Depress the brake pedal and push the button when shifting.

Push the button when shifting.

The selector lever can be shifted freely.

For optimum fuel economy, accelerate gradually. The transaxle will automatically shift to the second, third and overdrive gears.

C090B02A-AAT

The Function of Each Position Is As Follows:

o P (Park):

Use to hold the vehicle in place when parking 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.

C090E02A-AAT

o D (Drive):

Use for normal driving. Bring the car to a complete stop before shifting the selector to "D" position. The transaxle will automatically shift through a four-gear sequence. 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.

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. The vehicle must be fully stopped to avoid transaxle damage.**

C090I02MC-AAT

CAUTION:

- **Shift into "R", "D" and "P" position only when the vehicle has completely stopped.**
- **Do not accelerate the engine in 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" 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.

- **When accelerating from a stop on a steep hill, the vehicle may have a tendency to roll backwards. Shifting the shift lever into 2nd gear will help prevent the vehicle from rolling backwards.**
- **Check the automatic transaxle fluid level regularly, and add fluid as necessary.**
- **See the maintenance schedule for the proper fluid recommendation.**

C090P01A-GAT

Overdrive Switch

When the overdrive switch is turned on, the transaxle will automatically upshift to the second, third and overdrive gears. When the overdrive switch is turned off, the transaxle will not upshift to the overdrive gear. For normal driving, the selector lever should be left in the "D" position and the overdrive switch turned on.

If you need to accelerate rapidly, press the accelerator pedal all the way to the floor. The transaxle will automatically shift to a lower gear, depending on the vehicle speed and load.

E060103AUN

Ignition key interlock system (If Installed)

The ignition key cannot be removed unless the shift lever is in the P (Park) position. If the ignition switch is in any other position, the key cannot be removed.

C090N06A-AAT

Good Driving Practices

- o Never move the gear selector lever from "P" or "N" to any other position with the accelerator pedal depressed.
- o Never move the gear selector lever into "P" when the vehicle is in motion.
- o Be sure the car is completely stopped before you attempt to shift into "R" or "D".
- o 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.
- o 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.
- o Slow down before shifting to a lower gear. Otherwise, the lower gear may not be engaged.
- o Always use the parking brake. Do not depend on placing the transaxle in "P" to keep the car from moving.
- o 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.
- o Optimum vehicle performance and economy is obtained by smoothly depressing and releasing the accelerator pedal.
- o Turn the overdrive switch on for good fuel economy and smooth driving. If engine braking is needed in the "D" range or if repeated upshifting and downshifting between 3rd and 4th gear is needed when climbing a gentle slope, it is recommended that the overdrive switch be turned off. Turn the overdrive switch back on immediately afterward.

WARNING:

- **o Avoid high cornering speeds.**
- **o Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.**

- **o Always wear your seat belts. In a collision crash, an unbelted person is significantly more likely to die than a person wearing a seatbelt.**
- **o The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds.**
- **o Loss of control often occurs if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.**
- **o In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes.**
- **o Never exceed posted speed limits.**
- **o If your vehicle becomes stuck in snow, mud, sand, etc., then you may attempt to rock the vehicle free by moving it forward and backward. Do not attempt this procedure if people or objects are anywhere near the vehicle. During the rocking operation the vehicle may suddenly move forward of backward as it becomes unstuck, causing injury or damage to nearby people or objects.**

ANTI-LOCK BRAKE SYSTEM

C120A01FC-GAT

(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:

- **A click sound may be heard in the engine compartment when the vehicle begins to move after the engine is started. These conditions are normal and indicate that the anti-lock brake system (Electronic Stability Program) is functioning properly.**
- **During ABS (ESP) 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 (Electronic Stability Program) is functioning properly.**

WARNING:

ABS (ESP) 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 (Electronic Stability Program) 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 (ESP) equipped vehicle should not be tested by high speed driving or cornering. This could endanger the safety of yourself or others.

ELECTRONIC STABILITY PROGRAM (ESP)

C310A01JM-AAT

(If Installed)

The Electronic Stability Program (ESP) system is designed to stabilize the vehicle during cornering maneuvers. ESP checks where you are steering and where the vehicle is actually going. ESP applies the brakes at individual wheels and intervenes in the engine management system to stabilize the vehicle.

The Electronic Stability Program (ESP) system is an electronic system designed to help the driver maintain vehicle control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether ESP will be effective in preventing a loss of control. It is still your responsibility to drive and corner at reasonable speeds and to leave a sufficient margin of safety.

CAUTION:
Driving with varying tire or wheel size may cause the ESP system to malfunction. When replacing tires, make sure they are the same size as your original tires.

WARNING:
Electronic stability program is only a driving aid; all normal precautions for driving in inclement weather and on slippery road surfaces should be observed.

C310B01JM-AAT

ESP ON/OFF Mode

When the ESP is operating, the ESP indicator in the instrument cluster will blink.
If you turn the system off by pressing the ESP switch, the ESP-OFF indicator will come on and stay on. In the ESP-OFF mode, the stability control will be deactivated. Adjust your driving accordingly. To turn the system back on, press the switch again. The ESP-OFF indicator should go off.

NOTE:
The ESP mode will automatically be turned ON after the engine is turned off and restarted.

C310D01JM-AAT

Indicators and Warning

The indicators should illuminate when the ignition key is turned to ON or START but should go out after three seconds.
If the indicators do not illuminate, or the ESP or ESP-OFF indicator does not go out after 3 seconds, have the vehicle checked by an authorized dealer.

Should there be any unusual conditions in the device while driving, ESP-OFF indicator illuminates as a warning.
If ESP-OFF indicator illuminates, pull your car to a safe place and stop the engine.
Then, start the engine again to check if the ESP-OFF indicator goes out.

If the indicator remains lit even after the engine has been started, have your car checked by an authorized Hyundai dealer.

VEHICLE STABILITY MANAGEMENT (VSM)

(If Installed)

This system provides further enhancements to vehicle stability and steering responses when a vehicle is driving on a slippery road or a vehicle detected changes in coefficient of friction between right wheels and left wheels when braking.

VSM ON/OFF mode

When the VSM is operating, the ESP indicator light on the instrument cluster will blink and you can feel a slight pulsation of the steering wheel.
If you want to cancel the VSM operation, press the ESP-OFF switch. If you press the ESP-OFF switch, the VSM and ESP function will be deactivated and ESP OFF indicator light will come on and stay on.
To turn the system back on, press the ESP-OFF switch again. The ESP-OFF indicator light will go out.
The VSM can be deactivated even if you don't cancel the VSM operation by pressing the ESP-OFF switch. It indicates that a malfunction has been detected somewhere in the EPS (Electronic Power Steering) system or VSM system.

Take your vehicle to an authorized HYUNDAI dealer and have the system checked.

NOTE:

- **The VSM does not operate when:**
  - **Driving on bank road such as gradient or incline**
  - **Driving rearward**
  - **ESP-OFF indicator light remains on the instrument cluster**
  - **EPS indicator light remains on the instrument cluster**
- **The VSM is designed to function above approximately 15 km/h (9 mph) on curves.**
- **The VSM is designed to function above approximately 30 km/h (18 mph) when a vehicle is braking on a split-mu road. The split-mu road is made of surfaces which have different friction forces.**
- **Your vehicle is designed to activate according to the driver's intention, even with installed VSM. Always follow all the normal precautions for driving - including driving at safe speeds for the conditions.**

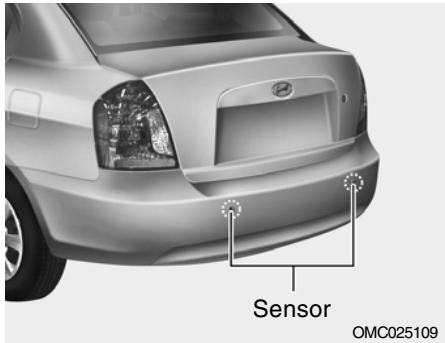
WARNING:

- **The Vehicle Stability Management system is only a driving aid; all normal precautions for driving in inclement weather and on slippery road surfaces should be observed.**
- **The Vehicle Stability Management system is not a substitute for safe driving practices but a supplementary function only. Always hold the steering wheel firmly while driving.**
- **Driving with varying tire or wheel sizes may cause the VSM system to malfunction. When replacing tires, make sure they are the same size as your original tires.**

REAR PARKING ASSIST SYSTEM

C400A03P-GAT

(If Installed)



The rear parking assist system assists the driver during backward movement of the vehicle by chiming if any object is sensed within a distance of 120 cm (47 in.) behind the vehicle. This system is a supplemental system and it is not intended to nor does it replace the need for extreme care and attention of the driver. The sensing range and objects detectable by the back sensors are limited. Whenever backing-up, pay as much attention to what is behind you as you would in a vehicle without a rear parking assist system.

WARNING:

The Rear Parking Assist System is a supplementary function only. The operation of the Rear Parking Assist System can be affected by several factors (including environmental conditions). It is the responsibility of the driver to always check the area behind the vehicle before backing up.

Operation of the rear parking assist system

Operating condition

- This system will activate when backing up with the ignition key ON.
  If the vehicle is moving at a speed over 5 km/h (3 mph), the system may not be activated correctly.
- The sensing distance while the Rear Parking Assist System is in operation is approximately 120 cm (47 in.).
- When more than two objects are sensed at the same time, the closest one will be recognized first.

Types of warning sound

- o When an object is 120 cm to 81 cm (47 in. to 32 in.) from the rear bumper : Buzzer beeps intermittently
- o When an object is 80 cm to 41 cm (31 in. to 16 in.) from the rear bumper : Buzzer beeps more frequently
- o When an object is within 40 cm (15 in.) of the rear bumper : Buzzer sounds continuously.

Non-operational conditions of rear parking assist system

The rear parking assist system may not operate properly when:

1. Moisture is frozen to the sensor. (It will operate normally when the moisture has been cleared.)
2. The sensor is covered with foreign matter, such as snow or water, or the sensor cover is blocked. (It will operate normally when the material is removed or the sensor is no longer blocked.)
3. Driving on uneven road surfaces (unpaved roads, gravel, bumps, gradient).
4. Objects generating excessive noise (vehicle horns, loud motorcycle engines, or truck air brakes) are within range of the sensor.
5. Heavy rain or water spray exists.
6. Wireless transmitters or mobile phones are within range of the sensor.
7. The sensor is covered with snow.
8. Trailer towing

The detecting range may decrease when:

1. The sensor is stained with foreign matter such as snow or water. (The sensing range will return to normal when removed.)
2. Outside air temperature is extremely hot or cold.

The following objects may not be recognized by the sensor:

1. Sharp or slim objects such as ropes, chains or small poles.
2. Objects which tend to absorb the sensor frequency such as clothes, spongy material or snow.
3. Undetectable objects smaller than 1 m (40 in.) and narrower than 14 cm (6 in.) in diameter.

CAUTION:

1. **The rear parking assist warning may not sound sequentially depending on the speed and shapes of the objects detected.**
2. **The rear parking assist system may malfunction if the vehicle bumper height or sensor installation has been modified or damaged. Any non-factory installed equipment or accessories may also interfere with the sensor performance.**
3. **The sensor may not recognize objects less than 15 in. (40 cm) from the sensor, or it may sense an incorrect distance. Use caution.**
4. **When the sensor is frozen or stained with snow, dirt, or water, the sensor may be inoperative until the stains are removed using a soft cloth.**
5. **Do not push, scratch or strike the sensor. Sensor damage could occur.**

CAUTION:
This system can only sense objects within the range and location of the sensors; It can not detect objects in other areas where sensors are not installed. Also, small or slim objects, such as poles or objects located between sensors may not be detected by the sensors.
Always visually check behind the vehicle when backing up.
Be sure to inform any drivers of the vehicle that may be unfamiliar with the system regarding the systems capabilities and limitations.
Your new vehicle warranty does not cover any accidents or damage to the vehicle or its occupants due to a rear parking assist system malfunction. Always drive safely and cautiously.

WARNING:
Pay close attention when the vehicle is driven close to objects on the road, particularly pedestrians, and especially children. Be aware that some objects may not be detected by the sensors, due to the object's distance, size or material, all of which can limit the effectiveness of the sensor. Always perform a visual inspection to make sure the vehicle is clear of all obstructions before moving the vehicle in any direction.

NOTE:
If you don't hear an audible warning sound or if the buzzer sounds intermittently when shifting the gear to "R" position, this may indicate a malfunction in the rear parking assist system. If this occurs, have your vehicle checked by an authorized Hyundai dealer as soon as possible.

GOOD BRAKING PRACTICES

C130A01A-AAT

WARNING:
Nothing should be carried on top of the shelf panel 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 may 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 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 transmission to overheat. Always use the brake pedal or parking brake.

C140A01A-GAT

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

- Drive smoothly. Accelerate at a moderate rate. Don't make "jackrabbit" 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.

SMOOTH CORNERING

C150A01A-AAT

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.

WINTER DRIVING

C160A01A-AAT

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 to the original equipment tires. Failure to do so may adversely affect the safety and handling of your car. 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 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 province 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.

C160F02A-AAT
Check Spark Plugs and Ignition System

Inspect your spark plugs 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.

C160G01A-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 (176°F) 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 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.

C160K01A-AAT

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.

C170A01A-AAT

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

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.

TRAILER OR VEHICLE TOWING

C190A03A-GAT

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, 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.

NOTE - For Europe

- **The technically permissible maximum load on the rear axle(s) may be exceeded by not more than 15 % and the technically permissible maximum laden mass of the vehicle may be exceeded by not more than 10 % or 100 kg (220.4 lbs), whichever value is lower. In this case, do not exceed 100 km/h (62.1 mph) for vehicle of category M1 or 80 km/h (49.7 mph) for vehicle of category N1.**
- **When a vehicle of category M1 is towing a trailer, the additional load imposed at the trailer coupling device may cause the tire maximum load ratings to be exceeded, but not by more than 15 %. In this case, do not exceed 100 km/h (62.1 mph) and increase the tire inflation pressure by at least 0.2 bar.**

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.

C190C03S-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 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 5-7.

CAUTION:

- **Never connect a trailer brake system directly to the vehicle brake system.**
- **When towing a trailer on steep grades (in excess of 6%) 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.**

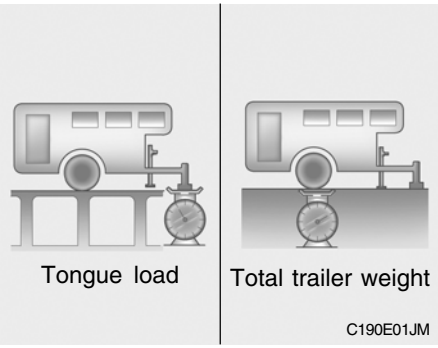
C190D01A-GAT

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.

C190E01MC-GAT

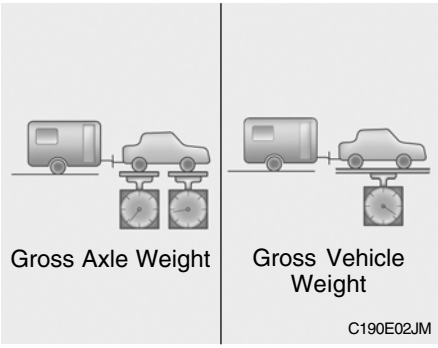
Trailer Weight Limit



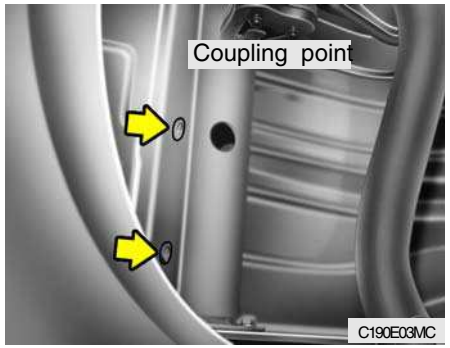
Tongue loads can be increased or decreased by redistributing the load in the trailer. This can be verified by checking the total weight of the loaded trailer and then checking the load on the tongue.

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 8-2). 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 8-2). 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 trunk 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 50 kg.**



5. **The maximum permissible overhang of the coupling point :**
   3 Door: 824 mm
   4 Door:1,056 mm

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

kg. (Lbs)

	Maximum Towable Weight			
	Trailer			Tongue
With Brake	Manual Transaxle		1100 (2425)	50 (110)
	Automatic Transaxle (Gasoline)	1.4L	700 (1543)	
		1.6L	800 (1763)	
Without Brake	453 (998)			

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.

C190F02A-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 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 transaxle 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 transaxle 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 transaxle 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.**

WHAT TO DO IN AN EMERGENCY

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IF THE ENGINE WILL NOT START

D010A01A-AAT

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.

D010B02A-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 on the following pages".

D010C02A-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(For Gasoline Engine) or check all connectors at glow plug and glow plug relay(For Diesel Engine). Reconnect any that may be disconnected or loose.
3. Check 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 the 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.

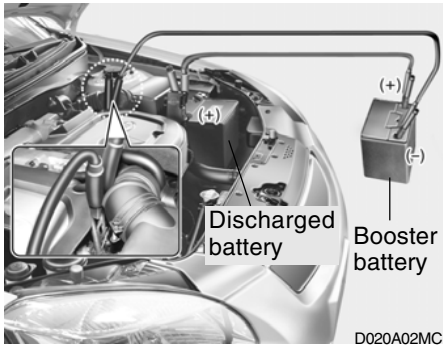
F020100AUN

If the Engine Stalls at a Crossroad or Crossing

- o If the engine stalls at a crossroad or crossing, set the shift lever in the N(Neutral) position and then push the vehicle to a safe place.
- o If your vehicle has a manual transaxle not equipped with the ignition lock switch, the vehicle can move forward by shifting to the 2 (second) or 3 (third) gear and then turning the starter without depressing the clutch pedal.

JUMP STARTING

D020A02A-AAT



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.

- o 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, continue to apply water to the affected area with a sponge or cloth.
- o 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.
- o The battery being used to provide the jump start must be 12-volts. If you cannot determine that it is a 12-volt battery, do not attempt to use it for the jump start.
- o 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 order shown in the illustration. That is, 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 2,000 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 2,000 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.

IF THE ENGINE OVERHEATS

D030A02TB-AAT

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 engine coolant is running out under the car or steam is coming out from underneath the hood, stop the engine. Do not open the hood until the engine coolant has stopped running or the steaming has stopped. If there is no visible loss of engine 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 hair, 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.

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 may result in coolant being 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 the engine coolant has been lost, carefully add coolant to the reservoir (Page 6-11) 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 engine coolant indicates there is a leak in the cooling system and this should be checked as soon as possible by a Hyundai dealer.

D040A01MC-GAT

TEMPORARY SPARE TIRE (If Installed)

The following instructions for the temporary spare tire should be observed:

1. 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	T115/70D15, T125/80D15
Inflation Pressure	420 kPa (60 psi)

2. The spare tire should only be used temporarily and should be returned to the luggage compartment as soon as the original tire can be repaired or replaced.
3. Continuous use at speeds of over 80 km/h (50 mph) is not recommended.
4. As the temporary spare tire is specifically designed for your car, it should not be used on any other vehicle.

5. The temporary spare tire should not be used on any other wheels, nor should standard tires, snow tires, wheel covers or trim rings be used with the temporary spare wheel. If such use is attempted, damage to these items or other car components may occur.
6. The temporary spare tire pressure should be checked once a month while the tire is stored.

CAUTION:

- **Do not use snow chains with your temporary spare tire.**
- **Do not use more than one temporary spare tire at a time.**

D040A03A-GAT

FULL SIZE SPARE TIRE (If Installed)

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

4 DOOR

RECOMMENDED INFLATION PRESSURE-COLD.

ENGINE	RIM SIZE	TIRE SIZE	PRESSURE, kPa(psi)			
			UP TO 2 PERSONS		UP TO MAX. LOAD	
			FRONT	REAR	FRONT	REAR
GASOLINE	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	5.5JX15	195/55R15	220(32)	220(32)	230(33)	230(33)
DIESEL	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	5.5JX15	195/55R15	220(32)	220(32)	230(33)	230(33)

THE TIRES FITTED TO THIS VEHICLE SHALL HAVE A MAX. LOAD RATING NOT LESS THAN 500kg, OR A LOAD INDEX OF 84 AND A SPEED CATEGORY NOT LESS THAN T.

OMC059111N

3 DOOR

RECOMMENDED INFLATION PRESSURE-COLD.

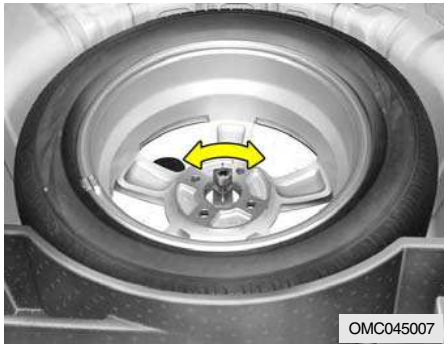
ENGINE	RIM SIZE	TIRE SIZE	PRESSURE, kPa(psi)			
			UP TO 2 PERSONS		UP TO MAX. LOAD	
			FRONT	REAR	FRONT	REAR
GASOLINE	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	6.5JX16	205/45R16	220(32)	220(32)	240(35)	240(35)
DIESEL	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	6.5JX16	205/45R16	230(33)	230(33)	240(35)	240(35)

THE TIRES FITTED TO THIS VEHICLE SHALL HAVE A MAX. LOAD RATING NOT LESS THAN 500kg, OR A LOAD INDEX OF 84 AND A SPEED CATEGORY NOT LESS THAN T.

OMC059112N

D040B01A-AAT

Handling the Spare Tire



Remove the installation bolt to remove the spare tire. To replace the spare tire in its storage compartment, tighten the bolt firmly with your fingers until there is no more play in the spare tire.

D050A01A-AAT

If a tire goes flat while you are driving:

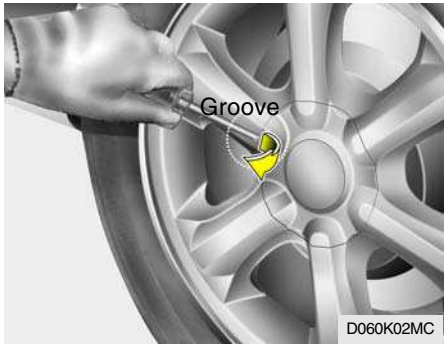
1. Take your foot off the accelerator pedal and let the car slow down while driving straight ahead. Do not apply the brakes immediately or attempt to pull off the road as this may cause a loss of control. When the car has slowed to such a speed that it is safe to do so, brake carefully and pull off the 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 instructions provided on the following pages.

D060A01A-AAT

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 transaxle) or reverse gear (manual transaxle) and that the parking brake is set, then:

D060K01FC-GAT

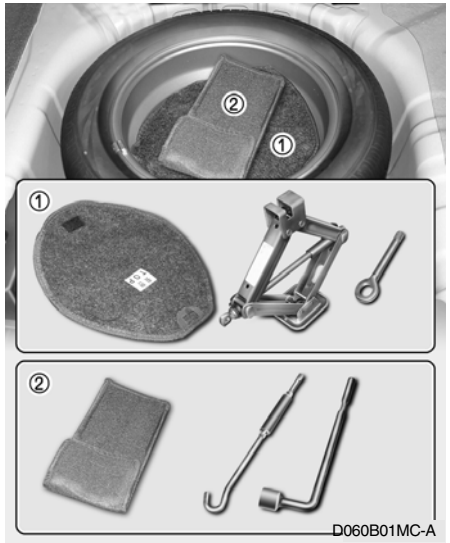
Wheel Cap (If Installed)



1. Wrap a piece of cloth around the tip of the screwdriver to avoid scratching.
2. Insert the screwdriver into the groove of the wheel cap and pry gently to remove the wheel cap.
3. Change the flat tire.
4. Reinstall the wheel cap by fitting the boss of the wheel cap in the groove of the wheel, hitting the center of the wheel cap with your hand.

D060B01MC-AAT

1. Obtain Spare Tire and Tool



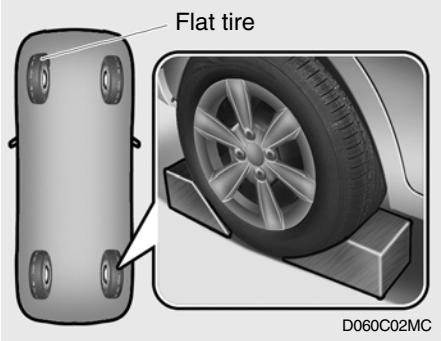
Remove the spare tire and take out the jack and tool bag from the trunk.

NOTE:

The spare tire and tool is located beneath the luggage mat in the vehicle trunk or luggage compartment.

D060C01A-AAT

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.

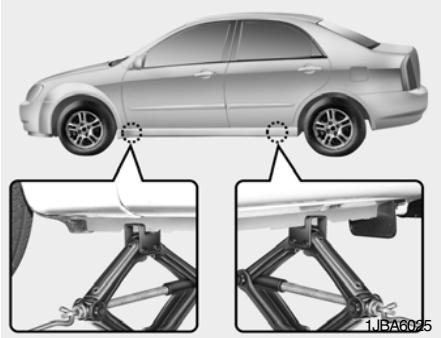
D060D01A-AAT

3. Loosen Wheel Nuts

The wheel nuts should be loosened slightly before raising the car. To loosen the nuts, turn the wheel nut 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 right. Then, while holding the wrench near the end of the handle, pull up on it with steady pressure. Do not remove the nuts at this time. Just loosen them about one-half turn.

D060E01A-AAT

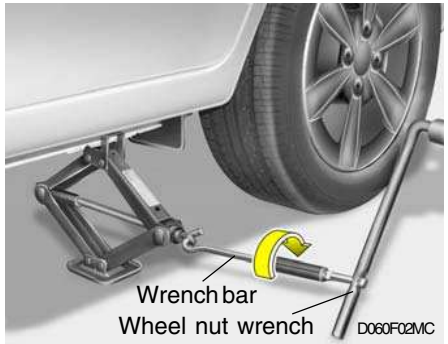
4. Put the Jack in Place



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.

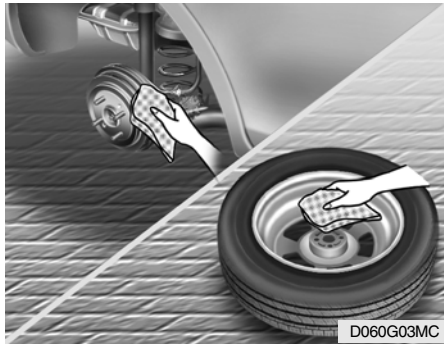
WARNING:
Do not get under the car when it is supported by the jack! This is very dangerous as the vehicle could fall and cause serious injury or death. No one should stay in the car while the jack is being used.

D060G02Y-AAT

6. Changing Wheels

D060G02MC

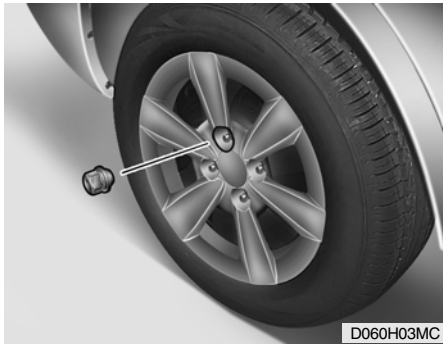
Loosen the wheel nuts and remove them with your fingers. Slide the wheel off the studs and lay it flat so it cannot roll away.
To put the wheel on the hub, pick up the spare tire, line up the holes with the studs and slide the wheel onto them. If this is difficult, tip the wheel slightly and get the 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.


D060G03MC

WARNING:
Wheel and 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 prevents the wheel from fitting 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 loosen 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.

D060H02A-AAT

7. Re-install Wheel Nuts



To reinstall 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.

D060I01E-GAT

8. Lower Vehicle and Tighten Nuts

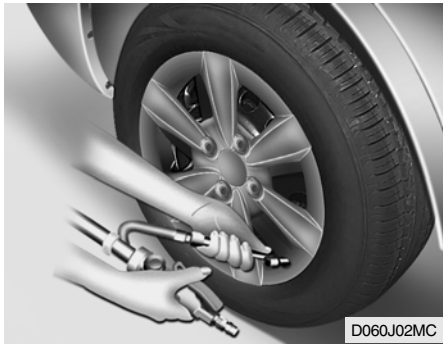
Lower the car to the ground by turning the wheel nut wrench counterclockwise. Then position the wrench as shown in the drawing and tighten the wheel nuts. Be sure the socket is seated completely over the nut. Do not stand on the wrench handle or use an extension pipe over the wrench handle.
Go around 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)

D060J01E-GAT

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 in the trunk and return the jack and tools to their proper storage locations.

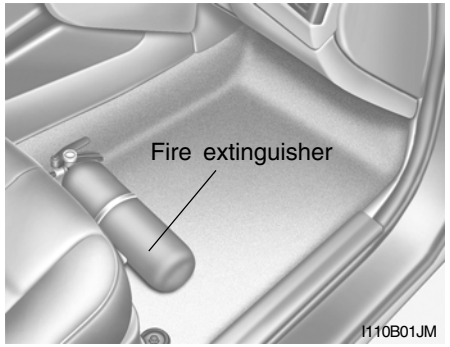
EMERGENCY COMMODITY

D070A01A-GAT

(If Installed)

There are some emergency commodities in the vehicle to help you respond to the emergency situation.

Fire Extinguisher



The fire extinguisher is located under the front passenger seat.

If there is small fire and you know how to use the fire extinguisher, take the following steps carefully.

1. Pull the pin at the top of the extinguisher that keeps the handle from being accidentally pressed.
2. Aim the nozzle toward the base of the fire.
3. Stand approximately 2.5 m (8 ft) away from the fire and squeeze the handle to discharge the extinguisher. If you release the handle, the discharge will stop.
4. Sweep the nozzle back and forth at the base of the fire. After the fire appears to be out, watch it carefully since it may re-ignite.

Triangle Reflector

The triangle reflector is located in the trunk.

Placed the triangle reflector on the road to warn oncoming vehicles during emergencies, such as when the vehicle is parked by the roadside due to any problems.

First Aid Kit

The first aid kit is located in the trunk.

There are some items such as scissors, bandage and adhesive tape and etc. in the kit to give first aid to an injured person.

Tire Pressure Gauge (If Installed)

You can easily check the tire pressure with a tire pressure gauge that is found in OVM tool bag. Tires normally lose some air in day-to-day use, and you may have to add a few pounds of air periodically and it is not usually a sign of a leaking tire, but of normal wear. Always check tire pressure when the tires are cold because tire pressure increases with temperature.

To check the tire pressure, take the following steps;

1. Unscrew the inflation valve cap that is located on the rim of the tire.
2. Press and hold the gauge against the tire valve. Some air will escape as you begin and more will escape if you don't press the gauge in firmly.
3. A firm non-leaking push will activate the gauge.
4. Read the tire pressure on the gauge to know whether the tire pressure is low or high.
5. Adjust the tire pressures to the specified pressure. See page 3-5.
6. Reinstall the inflation valve cap.

IF YOUR VEHICLE MUST BE TOWED

D080A01O-GAT

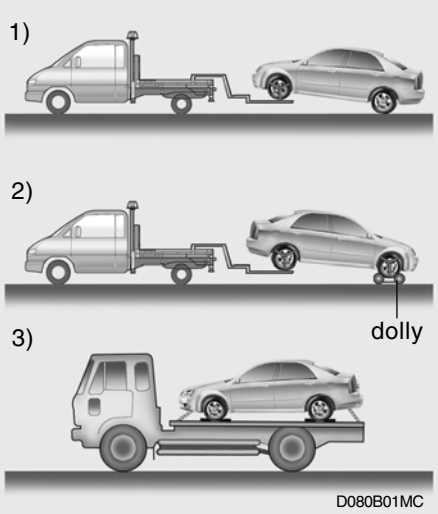
If your vehicle has to be towed, it should be done by your Hyundai dealer or a commercial tow truck service. This will help assure that your vehicle is not damaged in towing. Also, professionals are generally aware of local laws governing towing. In any case, rather than risk damage to your car, it is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

CAUTION:

- **Your vehicle can be damaged if towed incorrectly!**
- **Be sure the transaxle is in neutral.**
- **When the engine will not start, be sure the steering is unlocked by placing the key in the "ACC" position.**

D080B01O-GAT

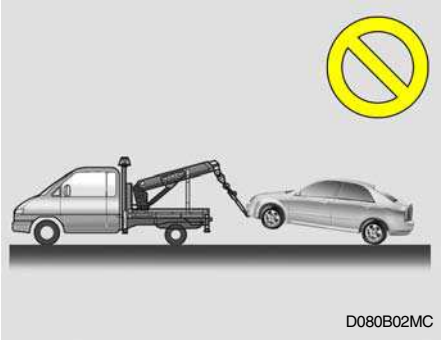
Towing the Vehicle



Your vehicle can be towed by wheel lift type truck (1), (2) or flatbed equipment (3).

CAUTION:

- **When towing the vehicle, take care not to cause damage to the bumper or underbody of the vehicle.**



- **Do not tow with sling type truck as this may cause damage to the bumper or underbody of the vehicle.**

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

NOTE:

Before towing, check the level of the automatic 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.

2) If any of the loaded wheels or suspension components are damaged or the vehicle is being towed with the front wheels on the ground, use a towing dolly under the front wheels.

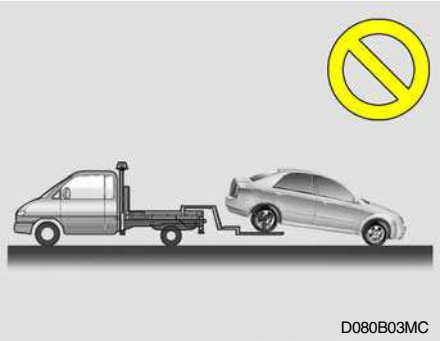
- Manual Transaxle:
  If you do not use a towing dolly, place the ignition key in the "ACC" position and put the transaxle in "N (Neutral)".

CAUTION:

Do not tow with the key removed or in the "LOCK" position when towing from the rear without a towing dolly.

o Automatic Transaxle:
Be sure to use a towing dolly under the front wheels.

CAUTION:



A vehicle 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.

3) It is recommended that your vehicle be towed with all the wheels off the ground.

D080D01MC-GAT

EMERGENCY TOWING

For emergency towing when no commercial tow vehicle is available. 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 towing 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.

NOTE:

Before towing, check the level of the automatic 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.

How to Use Front Towing Hook (If Installed)

(1) Open the towing hole cover by pushing it with your finger.

(2) Take out the towing hook from the jack case. To mount the towing hook, rotate it clockwise.

NOTE:
The jack case is located on the spare tire in the trunk or luggage compartment.

CAUTION
It should be tightened firmly with your fingers until there is no more play in the towing hole. Towing hook is located in the jack case on the spare tire.

(3) Attach a tow cable, chain or strap to the towing hook on the front bumper.

NOTE:
Place the towing hook & towing hole cover in its original position when not in use.

CAUTION :
(Automatic transaxle)

- **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. Be sure the steering is unlocked by placing the ignition switch in the ACC position. A driver must be in the towed vehicle to operate the steering and brakes.**
- **To avoid serious damage to the automatic transaxle, limit the vehicle speed to 15 km/h (10 mph) and drive less than 1.5 km (1 mile) when towing.**

IF YOU LOSE YOUR KEYS

D120A01A-GAT

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 1-5.

CORROSION PREVENTION & APPEARANCE CARE

Corrosion Protection 4-2
To Help Prevent Corrosion..... 4-3
Washing and Waxing 4-3
Cleaning the Interior 4-6

4

E010A01A-AAT

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 co-operation 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 particularly corrosive because it is slow to dry and holds moisture in contact with the vehicle. Although 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 to the visible surfaces but particularly to the underside of the car.

TO HELP PREVENT CORROSION

E020A01A-AAT

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.

E020C01A-AAT

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.

4 WASHING AND WAXING

E030A02A-AAT

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 soapy 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.

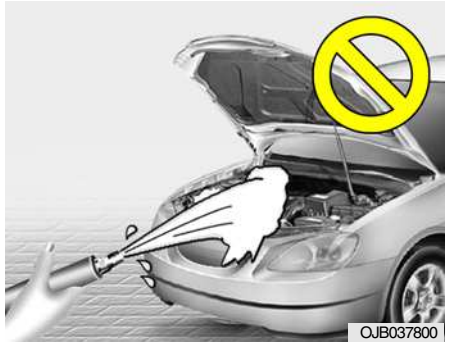
If you find any nicks or scratches in the paint, use touch-up paint to cover them to prevent corrosion. To protect the paintwork of the car against corrosion, you must clean your Hyundai (at least once a month). Give special attention to the removal of salt, mud and other substances on the underside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

CAUTION:

- **Do not use strong soap, chemical detergents or hot water, and do not wash the vehicle in direct sunlight or when the body of the vehicle is warm.**
- **Be careful when washing the side windows of your vehicle. Especially, with high-pressure water, water may leak through the windows and wet the interior.**
- **To prevent damage to the plastic parts, do not clean with chemical solvents or strong detergents.**

CAUTION:



- **Water washing in the engine compartment including high pressure water washing may cause the failure of electrical circuits located in the engine compartment.**
- **Never allow water or other liquids to come in contact with electrical/electronic components inside the vehicle as this may damage them.**

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 or commercially available bug and tar remover. 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:

- o Be careful not to spill battery electrolyte or hydraulic brake fluid on the bumpers. If you do, wash it off immediately with clear water.
- o 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.
- o 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.

CLEANING THE INTERIOR

E040A01A-AAT
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. Varnishes and furniture polishes should never be used under any conditions.

CAUTION:
When cleaning leather products (steering wheel, seats etc.), use neutral detergents or low alcohol content solutions. If you use high alcohol content solutions or acid/alkaline detergents, the color of the leather may fade or the surface may get stripped off.

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.

ANY QUESTIONS?

E050A01A-AAT

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

VEHICLE MAINTENANCE REQUIREMENTS

Maintenance Intervals 5-2
Scheduled Maintenance 5-4
Maintenance under Severe Usage Conditions 5-7
Explanation of Scheduled Maintenance Items 5-8

5

F010A01A-GAT
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 5-4. 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-GAT
General Checks

These are the regular checks you should perform when you drive your Hyundai or you fill the fuel tank. A list of these items will be found on page 6-5.

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

Whenever you have your Hyundai serviced, keep copies of the service records in your glove box. 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.

SCHEDULED MAINTENANCE REQUIREMENTS

F020A01Y-GAT

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 5-7 of this section.

4 SCHEDULED MAINTENANCE

F030A01A-GAT

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.

F030B04MC-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	For Middle East	Replace every 10,000 km or 12 months *							
		Except Middle East	R	R	R	R	R	R	R	R
2	DRIVE BELT (WATER PUMP, ALTERNATOR & A/CON)	For Europe	See Note (1)							
		Except Europe		I		I		I		I
3	FUEL FILTER (MPI TYPE) See Note (2)	For Europe				I				I
		Except Europe				R				R
4	FUEL LINES, FUEL HOSES & CONNECTIONS		I	I	I	I	I	I	I	I
5	TIMING BELT		Replace every 135,000 km or 108 months							
6	VAPOR HOSE & FUEL FILLER CAP			I		I		I		I
7	VACUUM HOSE		I	I	I	I	I	I	I	I
8	AIR CLEANER FILTER	For Middle East	R	R	R	R	R	R	R	R
		Except Middle East	I	I	R	I	I	R	I	I
9	FUEL TANK AIR FILTER		I	I	R	I	I	R	I	I
10	SPARK PLUGS		Replace every 40,000 km							

Note : * Driving in summer season temperature over 40°C (104°F - SAUDI, UAE, OMAN, KUWAIT, BAHRAIN, QATAR, IRAN,YEMEN ETC) or driving over 170 km/h must conform the severe driving condition.
(1) At first, inspect at 90,000 km or 72 months : after that, inspect every 30,000 km or 24 months.
(2) In case of hard starting or abnormal fuel pressure, replace the fuel filter immediately regardless of maintenance schedule.

F030D04MC-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	For Europe		Replace every 20,000 km or 12 months							
	See Note (1)	Except Europe		Replace every 10,000 km or 12 months							
2	AIR CLEANER FILTER			I	I	R	I	I	R	I	I
3	FUEL FILTER CARTRIDGE	For Europe			I		R		I		R
	See Note (2)	Except Europe			R		R		R		R
4	DRIVE BELT (FOR P/STR'G PUMP, ALTERNATOR & A/CON)			See Note (3)							
5	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) This interval depends on fuel quality. It is applicable only when using a qualified fuel, "EN 590 or equivalent". If the diesel fuel specifications don't meet the European standards EN 590, replace it more frequently. Consult an authorized Hyundai dealer for details.
In case of low engine power or fuel pressure decrease of the fuel filter, replace fuel filter immediately regardless of maintenance schedule.
(3) At first, inspect at 80,000 km or 48 months : after that, inspect every 20,000 km or 12 months.

F030C03MC-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 See Note (1)	European Community Only		See Note (2)*							
		Except European Community		See Note (3)*							
3	MANUAL TRANSAXLE OIL						I				I
4	AUTOMATIC TRANSAXLE FLUID						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			I	I	I	I	I	I	I	I
12	POWER STEERING PUMP, BELT 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	CLIMATE CONTROL AIR FILTER			R	R	R	R	R	R	R	R

Note : (1) When adding coolant, use only a qualified coolant additive for your vehicle and never mix hard water in the coolant filled at the factory. An improper coolant mixture can result in serious malfunction or engine damage.
(2) At first, replace at 100,000 km or 60 months : after that, replace every 40,000 km or 24 months.
(3) At first, replace at 48,000 km or 24 months : after that, replace every 40,000 km or 24 months.
* For your convenience, it can be replaced prior to it's interval when you do maintenance of other items.

MAINTENANCE UNDER SEVERE USAGE CONDITIONS

F040A03MC-GAT

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 (GASOLINE)	For Middle East	R	EVERY 5,000 KM OR 6 MONTHS	A, B, C, D, E, F, G, H, I, K
	Except Middle East		EVERY 7,500 KM OR 6 MONTHS	
ENGINE OIL AND FILTER (DIESEL)	European Community Only	R	EVERY 10,000 KM OR 6 MONTHS	A, B, C, D, E, F, G, H, I, K
	Except European Community		EVERY 5,000 KM OR 6 MONTHS	
AIR CLEANER FILTER		R	MORE FREQUENTLY	C, E
SPARK PLUGS		R	MORE FREQUENTLY	B, H
TIMING BELT (GASOLINE)		R	EVERY 90,000 KM OR 72 MONTHS	B, C, D, E, F, G, I
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		I	MORE FREQUENTLY	C, D, E, F
DRIVE SHAFTS AND BOOTS		I	EVERY 15,000 KM OR 12 MONTHS	C, D, E, F
MANUAL TRANSAXLE OIL		R	EVERY 120,000 KM	A, C, D, E, F, G, H, I, J
AUTOMATIC TRANSAXLE FLUID	European Community Only	R	EVERY 90,000 KM	A, C, E, F, G, H, I
	Except European Community		EVERY 100,000 KM	
CLIMATE CONTROL AIR FILTER		R	MORE FREQUENTLY	C, E

SEVERE DRIVING CONDITIONS

A - Repeatedly driving short distance of less than 8km(5miles) in normal temperature or less than 16km(10miles) in freezing temperature
B - Extensive engine idling or low speed driving for long distances
C - Driving on rough, dusty, muddy, unpaved, graveled or salt-spread roads
D - Driving in areas using salt or other corrosive materials or in very cold weather
E - Driving in sandy areas
F - Driving in heavy traffic area over 32°C(90°F)
G - Driving on uphill, downhill, or mountain road
H - Towing a Trailer, or using a camper, or roof rack
I - Driving as a patrol car, taxi, other commercial use or vehicle towing
J - Driving over 170 Km/h(100 MPH)
K - Frequently driving in stop-and-go conditions

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.

F060E01MC-AAT

o Timing Belt (Gasoline)

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 examine 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.

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.

F070E05A-AAT

o Automatic Transaxle Fluid

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 Hyundai Genuine ATF SP-III, DIAMOND ATF SP-III, SK ATF SP-III or other brands approved by Hyundai Motor Co., 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/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.

F070M01A-AAT

o Steering Gear Box, Linkage & Boots/Lower 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 Drive Shafts 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.

DO-IT-YOURSELF MAINTENANCE

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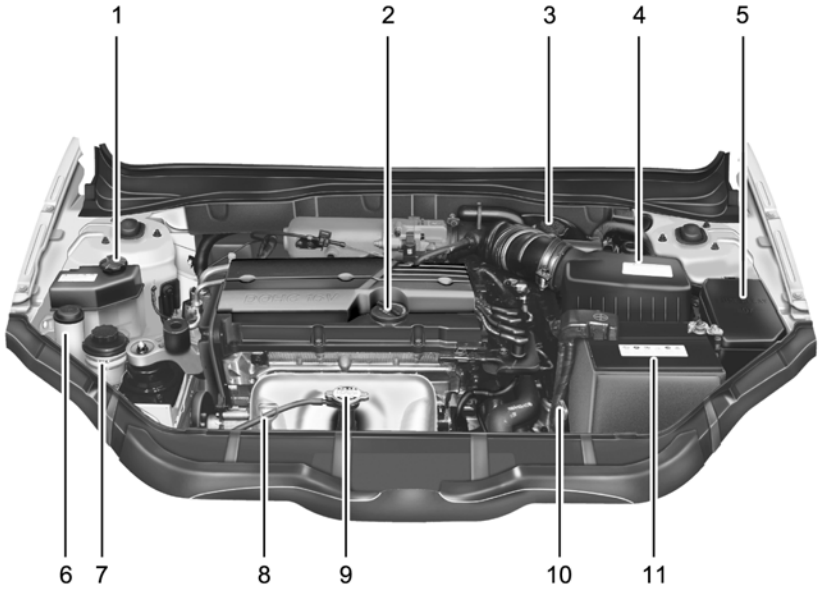
2 ENGINE COMPARTMENT

G010A01MC-GAT

Gasoline Engine (1.4L)



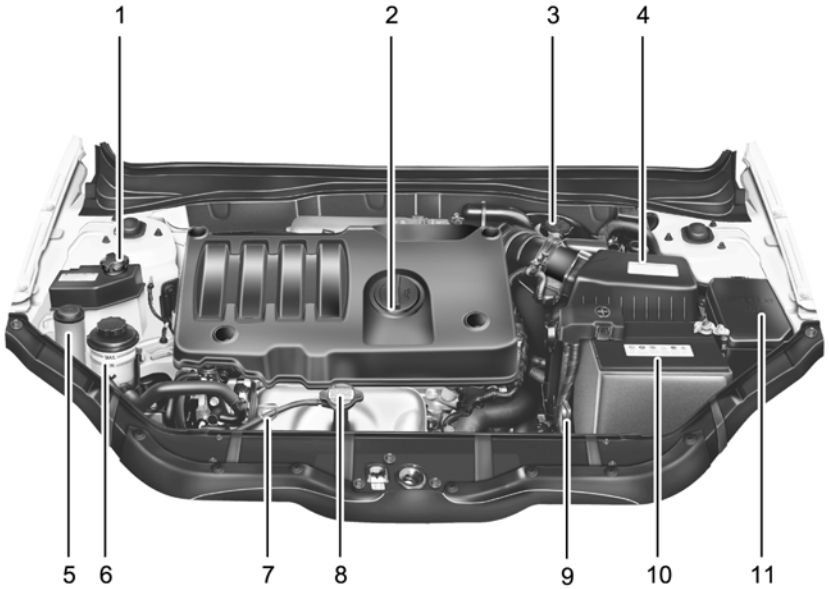
CAUTION:
When inspecting or servicing the engine, you should handle tools and other heavy objects carefully so that the plastic cover of the engine is not damaged.

G010A02MC

1. Engine coolant reservoir 6-11
2. Engine oil filler cap 6-8
3. Brake fluid reservoir 6-17
4. Air cleaner 6-12
5. Fuse/Relay box 6-20
6. Windshield washer fluid reservoir cap 6-14
7. Power steering fluid reservoir (If Installed) 6-24
8. Engine oil level dipstick 6-8
9. Radiator cap 6-10
10. Automatic transaxle fluid level dipstick (If Installed) 6-16
11. Battery 6-22

G010B01MC-GAT

Gasoline Engine (1.6L)



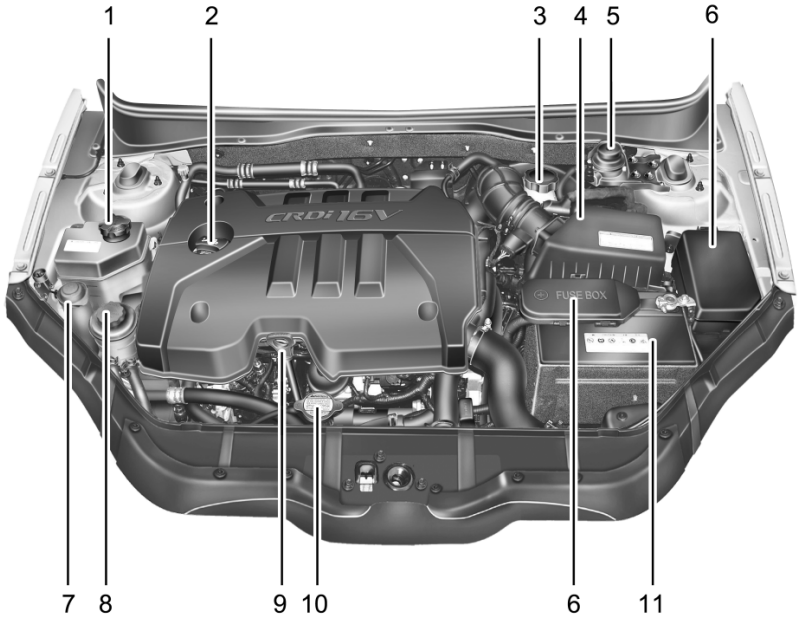
CAUTION:
When inspecting or servicing the engine, you should handle tools and other heavy objects carefully so that the plastic cover of the engine is not damaged.

OMC059036

1. Engine coolant reservoir 6-11
2. Engine oil filler cap 6-8
3. Brake fluid reservoir 6-17
4. Air cleaner 6-12
5. Windshield washer fluid reservoir cap 6-14
6. Power steering fluid reservoir (If Installed) 6-24
7. Engine oil level dipstick 6-8
8. Radiator cap 6-10
9. Automatic transaxle fluid level dipstick (If Installed) 6-16
10. Battery 6-22
11. Fuse/Relay box 6-20

G010C01MC-GAT

Diesel Engine (1.5L)



CAUTION:
When inspecting or servicing the engine, you should handle tools and other heavy objects carefully so that the plastic cover of the engine is not damaged.

OMC059002L

1. Engine coolant reservoir 6-11
2. Engine oil filler cap 6-8
3. Brake fluid reservoir 6-17
4. Air cleaner 6-12
5. Fuel filter 6-25
6. Fuse/Relay box 6-20
7. Windshield washer fluid reservoir cap 6-14
8. Power steering fluid reservoir (If Installed) 6-24
9. Engine oil level dipstick 6-8
10. Radiator cap 6-10
11. Battery 6-22

GENERAL CHECKS

G020A01A-AAT
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 cleaner 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, heater 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 Sun visor 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.

MAINTENANCE PRECAUTIONS

G020D01TG-GAT

Improper or incomplete service may result in problems. This section gives instructions only for the maintenance items that are easy to perform.
Several procedures should be done by an authorized Hyundai dealer.

NOTE:
Improper owner maintenance during the warranty period may affect warranty coverage.

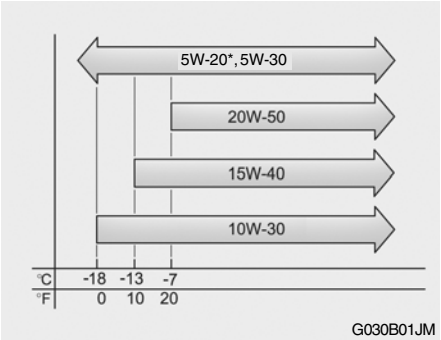
WARNING:

- **Performing maintenance work on a vehicle can be dangerous. You can be seriously injured while performing some maintenance procedures. If you lack sufficient knowledge and experience or the proper tools and equipment to do the work, have it done by an authorized Hyundai dealer.**
- **Working under the hood with the engine running is dangerous. It becomes even more dangerous when you wear jewelry or loose clothing. These can become entangled in moving parts and result in injury. Therefore, if you must run the engine while working under the hood, make certain that you remove all jewelry (especially rings, bracelets, watches, and necklaces) and all neckties, scarves, and similar loose clothing before getting near the engine or cooling fans.**

CHECKING THE ENGINE OIL

G030A03O-GAT

Recommended 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.
The engine oil quality should meet the following classification.

API Service SM* or above,
ILSAC GF-4 or above

* If the API service SM engine oil is not available in your country, you are able to use API service SL.

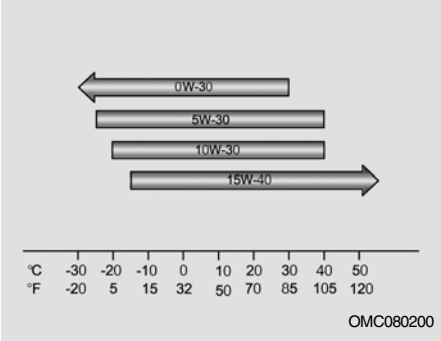
NOTE:

- **SAE 5W-20* (5W-30), ILSAC GF-4 engine oil is preferred regardless of regional option and engine variation.**
- **If SAE 5W-20*, ILSAC GF-4 engine oil is not available, SAE 5W-30 or secondary recommended engine oil for corresponding temperature range can be used.**

* : In Middle East, do not use the engine oil of viscosity grade SAE 5W-20.

G030B04FC-GAT

Recommended 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 driving in severe conditions.

The engine oil quality should meet the following classification:

API class: CH-4 or ABOVE
ACEA class: B4

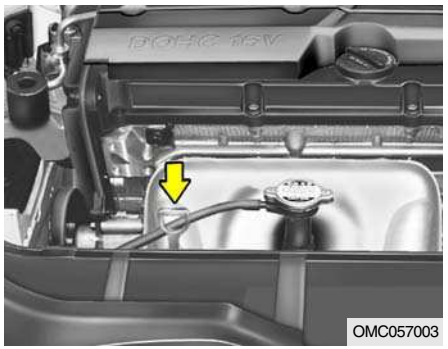
NOTE:

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 and high speed operation.)

G030C02JM-GAT

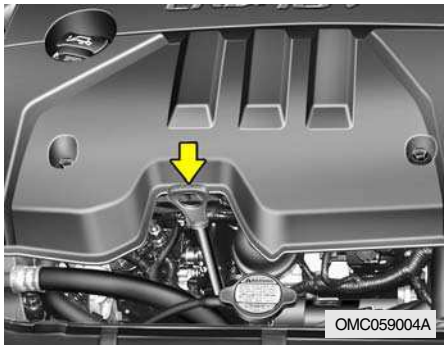
To Check the Oil Level

Gasoline Engine



OMC057003

Diesel Engine


OMC059004A

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, 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 ("F") and lower ("L") range.

WARNING:
Be very careful not to touch the radiator hose when checking the engine oil as it may be hot enough to burn you.

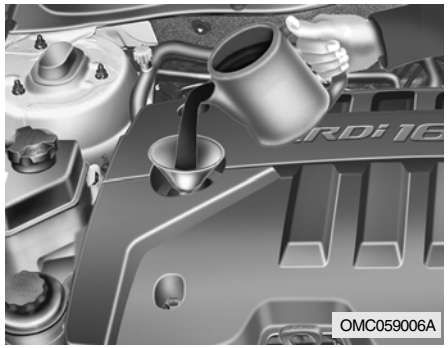
G030D01MC-GAT

Adding Oil

Gasoline Engine

OMC057005

Diesel Engine



OMC059006A

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 counterclockwise.
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)/1.5 liter(Diesel Engine) of oil.

CAUTION:
Slowly pour the recommended oil by using a funnel. Do not overfill so as not to damage engine.

WARNING:
Be very careful not to touch the radiator hose when adding the engine oil as it may be hot enough to burn you.

NOTE:
- **It is recommended that the engine oil and filter should be changed by an authorized Hyundai dealer.**
- **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.

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.

o 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.

CHECKING AND CHANGING THE ENGINE COOLANT

G050A01TG-AAT

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.

NOTE:
It is recommended that the engine coolant should be changed by an authorized Hyundai dealer.

G050B01A-AAT

Recommended Engine Coolant

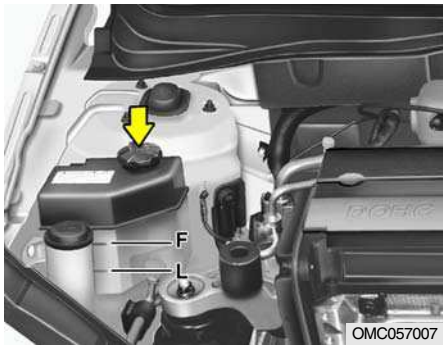
Use a high quality ethylene-glycol coolant in a 50/50 mix with water. The engine coolant should be compatible with aluminum engine parts. Additional corrosion inhibitors or additives should not be used. The cooling system must be maintained with the correct concentration and type of engine coolant to 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.

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%

G050C01TG-GAT

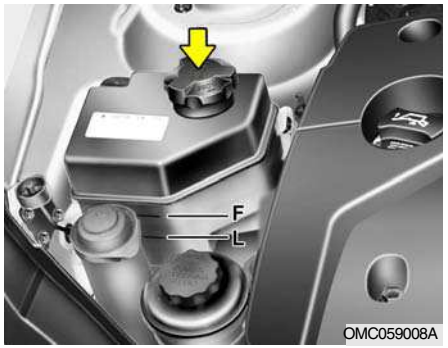
To Check the Coolant Level

Gasoline Engine



OMC057007

Diesel Engine



OMC059008A

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 cold. 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.

CAUTION:

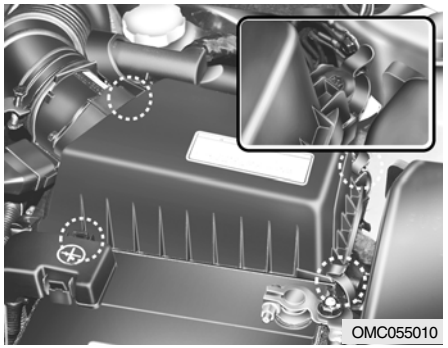
- **Engine coolant can damage the finish of your car. If you spill engine coolant on the car, wash it off thoroughly with clean water.**
- **The engine in your vehicle has aluminum engine parts and must be protected by an ethylene-glycol base coolant to prevent corrosion and freezing.**
  And, do not use the hard water. The hard water can cause engine damage from corrosion, overheating or freezing.

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.

CHANGING THE AIR CLEANER FILTER

G070A03Y-AAT



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 filter in place can result in excessive engine wear.**
- **When removing the air cleaner filter, be careful that dust or dirt does not enter the air intake. These may result in damage to the air cleaner filter.**

WINDSHIELD WIPER BLADES

G080A02A-AAT

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:

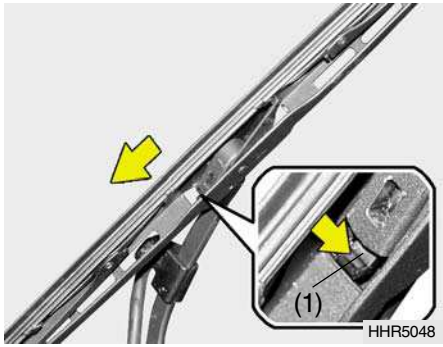
- **Do not operate the wipers on dry glass. This can result in more rapid wear of the wiper blades and may scratch the glass.**
- **Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.**

G080B01HR-GAT

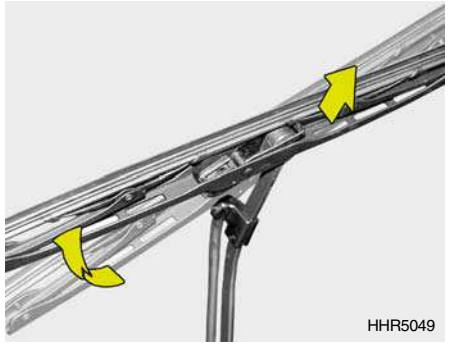
Replacing the Wiper Blades

To replace the wiper blades, raise the wiper to the vertical.

To remove the wiper blade

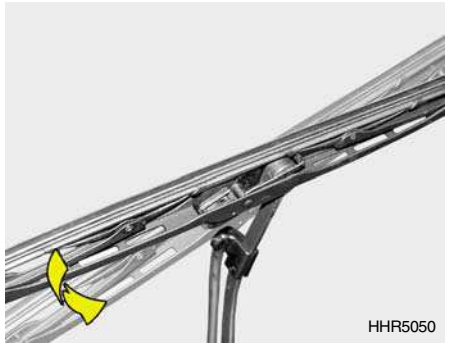


1. Push down the wiper blade with the locking clip (1) pressed to detach it from the wiper arm.

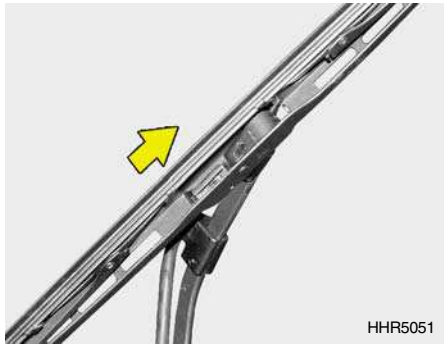


2. Raise the wiper blade lightly and pull up it.

To install the wiper blade



1. Put a new wiper blade onto the wiper arm and lower the wiper blade at the level of the wiper arm as shown in the drawing.

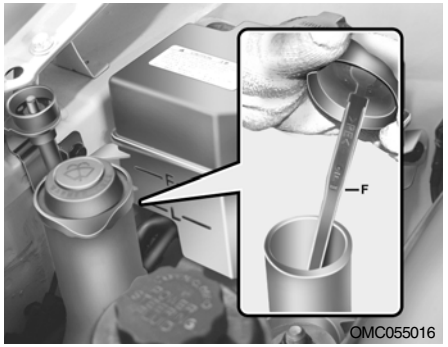


2. Pull up the wiper blade until you hear an audible "click" to engage in the end of the wiper arm.

NOTE:
Do not allow the wiper arm to fall against the windshield.

FILLING THE WASHER RESERVOIR

G090A01MC-GAT



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.

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.**

WARNING:

- **Windshield washer fluid agents contain some amounts of alcohol and can be flammable under certain circumstances. Do not allow sparks or flame to contact the washer fluid or the washer fluid reservoir. Damage to the vehicle or its occupants could occur.**
- **Windshield washer fluid is poisonous to humans and animals. Do not drink windshield washer fluid. Serious injury or death could occur.**

CHECKING THE TRANSAXLE OIL (MANUAL)

G100A01MC-GAT

Transaxle lubricant in the manual transaxle should be checked at those intervals specified in the vehicle maintenance schedule in Section 5.

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.

NOTE:

It is recommended that the manual transaxle fluid should be checked by an authorized Hyundai dealer.

CHECKING THE TRANSAXLE FLUID (AUTOMATIC)

G110A01MC-AAT

Transaxle fluid in the automatic transaxle should be checked at those intervals specified in the vehicle maintenance schedule in Section 5.

NOTE:

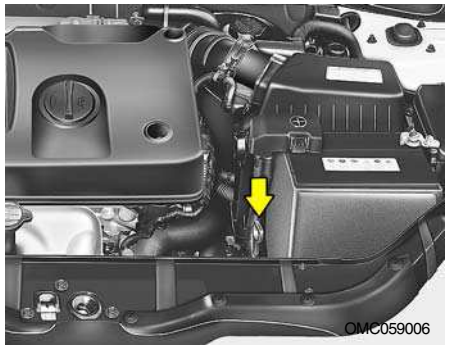
Automatic transaxle fluid is basically a red color. As driving distance increases, the fluid color turns darkish red gradually. It is normal condition and you should not judge the need to replace based upon the changing color.
You must replace the automatic transaxle fluid in accordance with intervals specified in the vehicle maintenance schedule in section 5.

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.

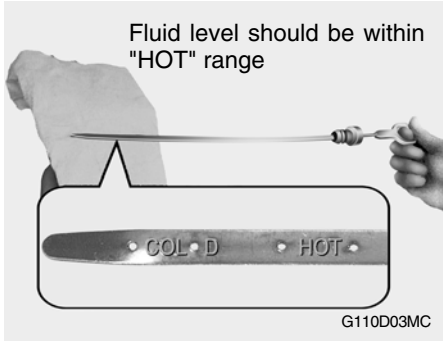
G110D03A-GAT

To Check the Transaxle Fluid Level



The automatic transaxle fluid level should be checked regularly.
Keep the vehicle on level ground with the parking brake applied and check the fluid level according to the following procedure.

1. Place the shift lever in N(neutral) position and confirm the engine is running at normal idle speed.
2. After the transaxle is warmed up sufficiently [fluid temperature 70~80°C (158~176°F)], for example by 10 minutes usual driving, move the shift lever through all positions then place the shift lever in N(neutral) or P(park) position.



3. Confirm if the fluid level is in the "HOT" range on the level gauge. If the fluid level is lower, add the specified fluid from the fill hole. If the fluid level is higher, drain the fluid from the drain hole.
4. If the fluid level is checked in cold condition[fluid temperature 20~30°C (68~86°F)], add the fluid to the "COLD" line and then recheck the fluid level according to the above step 2.

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.

CHECKING THE BRAKES

G120A01A-AAT

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.

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.

G120E02A-AAT

Adding Brake Fluid

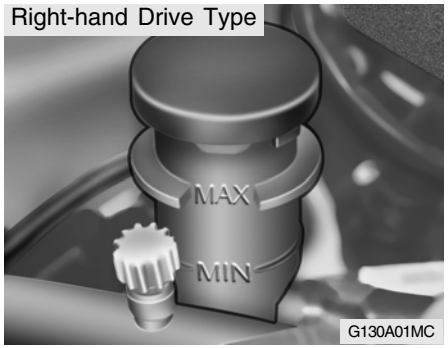
WARNING:
Handle brake fluid carefully. It can damage your vision if it gets into your eyes. Use only DOT 3 or DOT 4 specification fluid from a sealed container. Do not allow the fluid can or reservoir to remain open any longer than required. This will prevent entry of dirt and moisture which can damage 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.

CHECKING THE CLUTCH FLUID

G130A01A-AAT

(If Installed)
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 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.

AIR CONDITIONING CARE

G140A01A-AAT

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.

G140B01A-AAT

Checking the Air Conditioning Operation

1. Start the engine and let it run at a 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

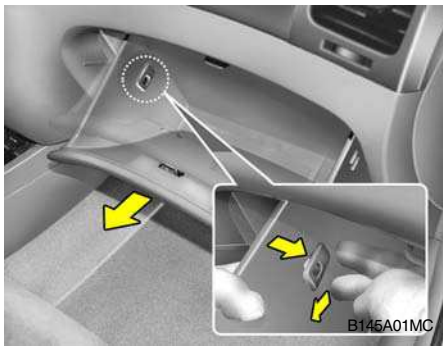
To lubricate the compressor and the seals in the system, the air conditioning should be run for at least 10 minutes each week. This is particularly important during cool weather when the air conditioning system is not otherwise in use.

CHANGING THE CLIMATE CONTROL AIR FILTER

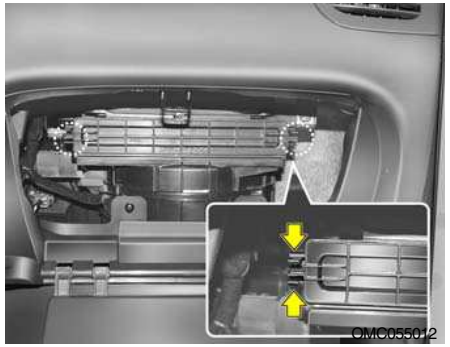
B145A01MC-GAT

(For Evaporator and Blower Unit) (If Installed)

The climate control air filter is located in front of the evaporator unit behind the glove box.
It helps to decrease the amount of pollutants entering the car.

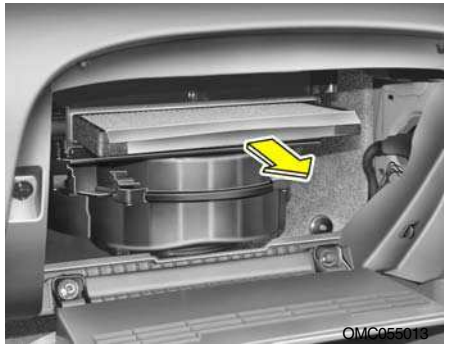


1. Open the glove box and remove the adjusting pins on both sides of the glove box.



2. Pull out the climate control air filter with the hooks on both sides pressed.

CAUTION:
Be careful not to press the hooks in the opposite direction.

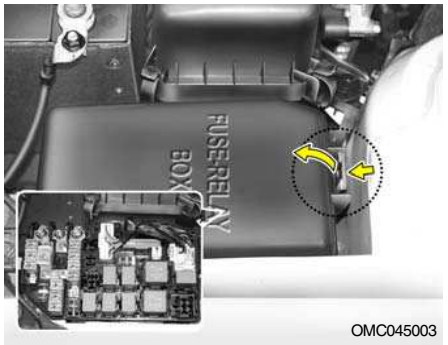


3. Take out the climate control air filter and replace it new one.
4. Installation is the reverse order of disassembly.

CHECKING AND REPLACING FUSES

G200A01A-AAT

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.

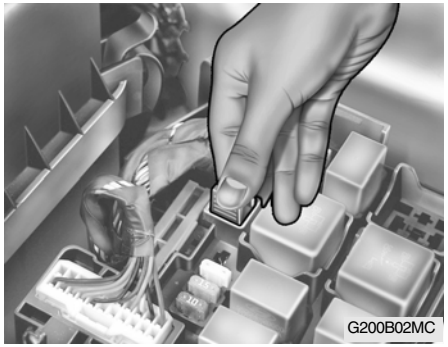
CAUTION:
When replacing a fusible link, never use anything but a new fusible link with the same or lower amperage rating. Never use a piece of wire or a higher-rated fusible link. This could result in serious damage and create a fire hazard.

G200B02HP-AAT

Replacing Accessory Fuse

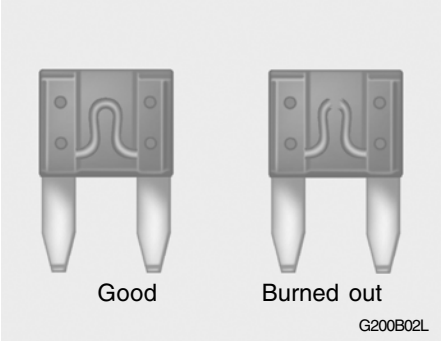
The fuse box for the lights and other electrical accessories will be found low on the dashboard on the driver's side. Inside the box you will find a list showing the circuits protected by each fuse. If any of your car's lights or other electrical accessories stop working, a blown fuse could be the reason. 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 relay and fuse box of the engine room 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.

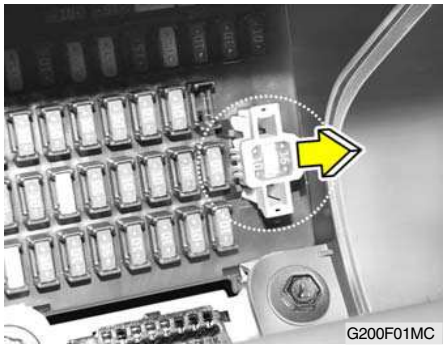


CAUTION:
A burned-out fuse indicates that there is a problem in the electrical circuit. If you replace a fuse and it blows as soon as the accessory is turned on, the problem is serious and should be referred to a Hyundai dealer for diagnosis and repair. Never replace a fuse with anything except a fuse with the same or a lower amperage rating. A higher capacity fuse could cause damage and create a fire hazard.

NOTE:
See page 6-35 for the fuse panel descriptions.

G200C01CM-GAT

Power Connector


G200F01MC

Your vehicle is equipped with a power connector to prevent battery discharge if your vehicle is parked without being operated for prolonged periods. Use the following procedures before parking the vehicle for prolonged periods.

1. Turn off the engine.
2. Turn off the headlights and tail lights.
3. Open the driver's side panel cover and pull up the power connector.
4. Insert the power connector in the opposite direction.

NOTE:

- **If the power connector is pulled up from the fuse panel, the warning chime, audio, clock and interior lamps, etc., will not operate. The following items must be reset after replacement.**
  - **Digital Clock**
  - **Trip computer**
  - **Automatic heating and cooling control system**
  - **Audio**
- **Even though the power connector is pulled up, the battery can still be discharged by operation of the headlights or other electrical devices.**

CHECKING THE BATTERY

G210A01A-AAT

OMC055018

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.

G210B01Y-GAT

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.

WARNING:

Always read the following instructions carefully when handling a battery.

Keep lighted cigarettes and all other flames or sparks away from the battery.

Hydrogen, which is a highly combustible gas, is always present in battery cells and may explode if ignited.

Keep batteries out of the reach of children because batteries contain highly corrosive SULFURIC ACID. Do not allow battery acid to contact your skin, eyes, clothing or paint finish.

If any electrolyte gets into your eyes, flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth until medical attention is received.

If electrolyte gets on your skin, thoroughly wash the contacted area.

If you feel a pain or a burning sensation, get medical attention immediately.

Wear eye protection when charging or working near a battery.

Always provide ventilation when working in an enclosed space.

An inappropriately disposed battery can be harmful to the environment and human health. Dispose the battery according to your local law(s) or regulation.

- **When lifting a plastic-cased battery, excessive pressure on the case may cause battery acid to leak, resulting in personal injury. Lift with a battery carrier or with your hands on opposite corners.**
- **Never attempt to charge the battery when the battery cables are connected.**
- **The electrical ignition system works with high voltage. Never touch these components with the engine running or the ignition switched on.**

CHECKING ELECTRIC COOLING FANS

G220A01A-AAT

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.

G220B01A-AAT

Checking Engine Cooling Fan

The engine cooling fan should come on automatically if the engine coolant temperature is high.

G220C01TB-GAT

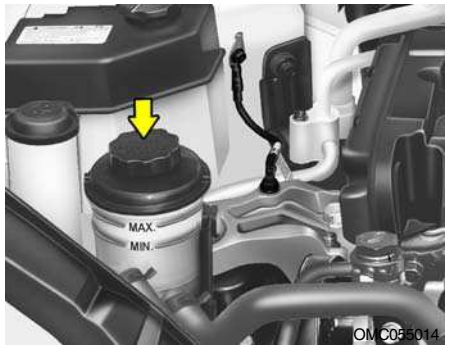
Checking Condenser Cooling Fan

When the air conditioning is in operation, the condenser cooling fan comes on automatically to be controlled by ECU.

POWER STEERING FLUID LEVEL

G230A01MC-GAT

(If Installed)



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.**
- **Do not start the engine when the power steering oil reservoir is empty.**

G240A01A-AAT

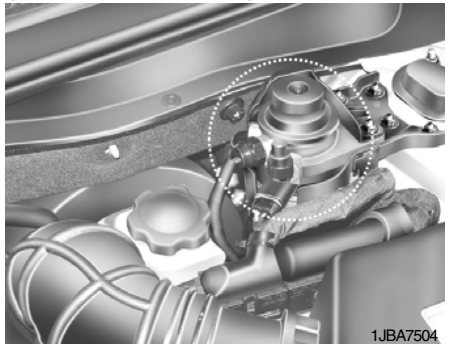
POWER STEERING HOSES

It is suggested that you check the power steering hose connections for fluid leakage at regular intervals. The power steering hoses should be replaced if there is severe surface cracking, scuffing or worn spots. Deterioration of the hose could cause premature failure.

REMOVAL OF WATER FROM THE FUEL FILTER

G300A02MC-GAT

(DIESEL ENGINE)



If the fuel filter warning light illuminates during driving, it indicates that water has accumulated in the fuel filter. If this occurs, remove the water as soon as possible.

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.

Extracting air in the fuel filter

If you drove until you have no fuel left or if you replaced the fuel filter, be sure to extract air in the fuel system as it makes you difficult to start the engine.

1. Remove the air extract nozzle cap on the fuel filter.
2. Pump up and down until the fuel flows out of the plug opening.

NOTE:

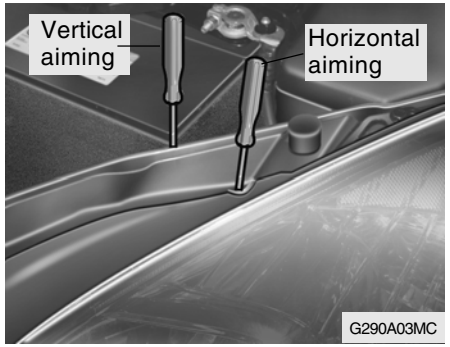
- **Use cloths when you extract air so that the fuel is not sprayed around.**
- **Clean the fuel around the fuel filter or the injection pump before starting the engine to prevent fire.**
- **Finally, check each part if the fuel is leaking.**

HEADLIGHT AIMING ADJUSTMENT

G290A03A-GAT

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 and rear bumper down several times. Place the vehicle at a distance of 3,000 mm (118 in.) 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 head lights lenses and turn on the headlight (low beam).



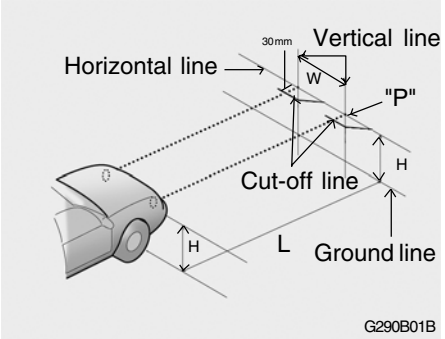
5. Open the hood.
6. Draw the vertical line (through the center of each headlight beam pattern) and the horizontal line (through the center of each headlight beam pattern) on the aiming screen.

   And then, draw a horizontal parallel line at 30 mm (1.18 in.) under the horizontal line.

7. Adjust each cut-off line of the low beam to the parallel line with a phillips screwdriver - VERTICAL AIMING.
8. Adjust each cut-off line of the low beam to each vertical line with a phillips screwdriver - HORIZONTAL AIMING.

G290B01MC-GAT

Adjustment After Headlight Assembly Replacement



If the vehicle has had front body repair and the headlight assembly has been replaced, an headlight aiming should be checked using an aiming screen as shown in the illustration. Turn on the headlight switch. (Low 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.

SPECIFICATIONS:

"H"
Horizontal center line of headlights from ground.
: 665 mm (26.18 in.)

"W"
Distance between each headlight center.
: 1,170 mm (46.06 in.)

"L"
Distance between the headlights and the wall that the lights are tested against.
: 3,000 mm (118.11 in.).

REPLACEMENT OF LIGHT BULBS

G260A01MC-AAT

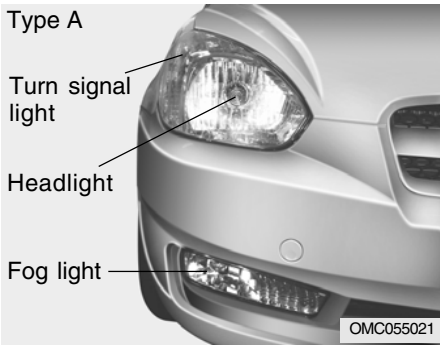
Before attempting to replace a light bulb, be sure the switch is turned to the "OFF" position.
The next paragraph shows how to reach the light bulbs so they may be changed. Be sure to replace the burned-out bulb with one of the same number and wattage rating.
See page 6-34 for the wattage descriptions.

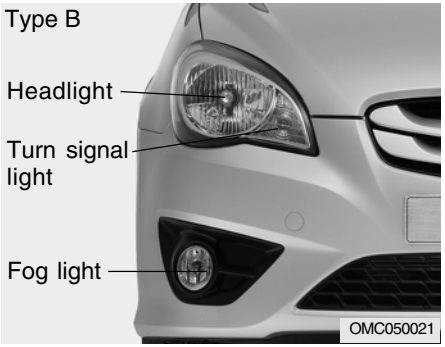
CAUTION:

- **Keep the lamps out of contact with petroleum products, such as oil, gasoline, etc.**
- **If you don't have necessary tools, the correct bulbs and the expertise, consult your authorized Hyundai dealer.**

G270A03MC-GAT

Headlight, Front Turn Signal Light and Front Fog Light



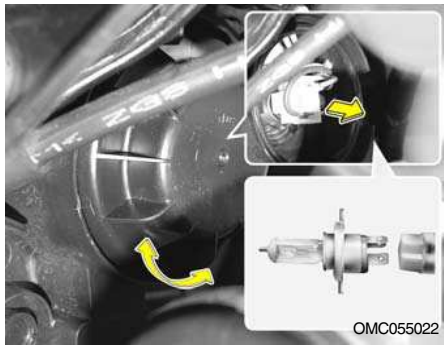


CAUTION:

- **The headlight aiming should be checked by an authorized Hyundai dealer after replacing the headlight bulbs.**
- **After heavy, driving rain or washing, headlight and taillight lenses could appear frosty. This condition is caused by the temperature difference between the lamp inside and outside.**
  This is similar to the condensation on your windows inside your vehicle during the rain and doesn't indicate a problem with your vehicle. If the water leaks into the lamp bulb circuitry, have the vehicle checked by an authorized Hyundai dealer.

▶ Headlight (Type A)

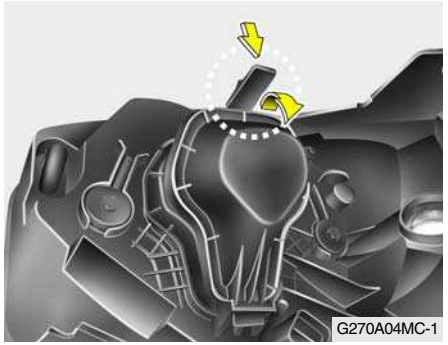
1. Allow the bulb to cool. Wear eye protection.
2. Open the engine hood and disconnect the negative (-) post of the battery.
3. Always grasp the bulb by its plastic base, avoid touching the glass.
4. Disconnect the power cord from the back of the headlight.



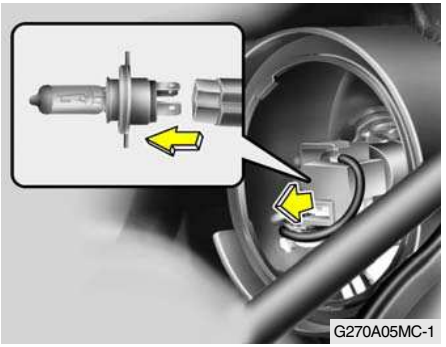
5. Remove the socket cover.
6. Push the bulb spring to remove the headlight bulb.
7. Remove the protective cap from the replacement bulb and install the new bulb by matching the plastic base with the headlight hole. Reattach the bulb spring and install the socket cover. Reconnect the power cord.
8. Use the protective cap and carton to dispose of the old bulb.
9. Check for proper headlight aim.

▶ Headlight (Type B)

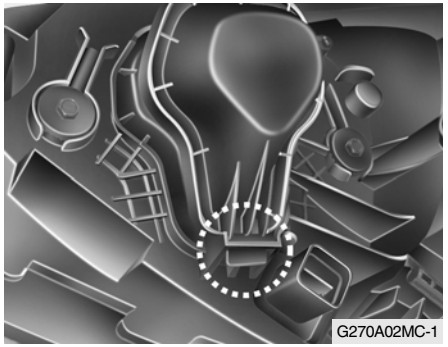
1. Allow the bulb to cool. Wear eye protection.
2. Open the engine hood and disconnect the negative (-) post of the battery.
3. Always grasp the bulb by its plastic base, avoid touching the glass.
4. Disconnect the power cord from the back of the headlight.

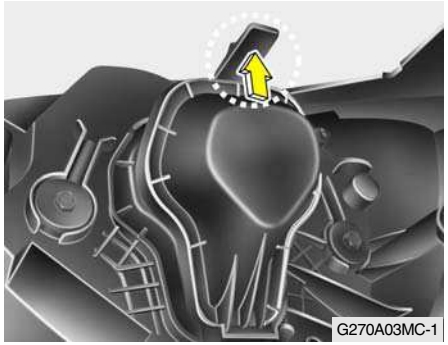


5. Remove the socket cover by pressing the tab and pulling up.



6. Push the bulb spring to remove the headlight bulb.
7. Remove the protective cap from the replacement bulb and install the new bulb by matching the plastic base with the headlight hole. Reattach the bulb spring.





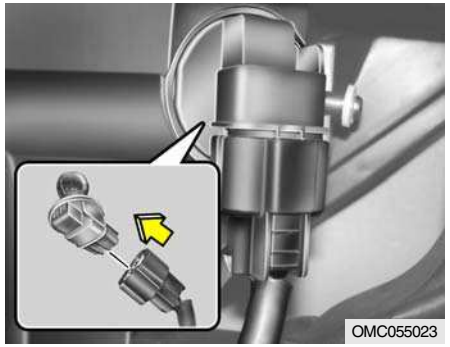
8. Reinstall the socket cover by pressing the upper tab with the lower tab hooked.
9. Reconnect the power cord.
10. Use the protective cap and carton to dispose of the old bulb.
11. Check for proper headlight aim.

WARNING:

- **When removing/replacing halogen bulbs, always handle the metal body of the bulb, not the glass.**
- **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.**

▶ Front Turn Signal light

1. Open the engine hood and disconnect the negative (-) post of the battery.



2. Disconnect the power cord from the bulb.
3. Take out the bulb from the bulb holder by turning it counterclockwise.
4. Install the new bulb.

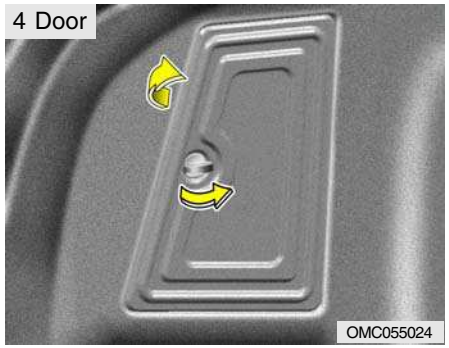
▶ Front Fog Light (If Installed)

NOTE:
It is recommended that the front fog light bulb be replaced by an authorized Hyundai dealer.

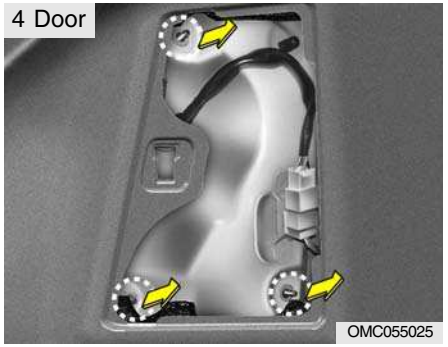
G270D01MC-GAT

Rear Combination Light

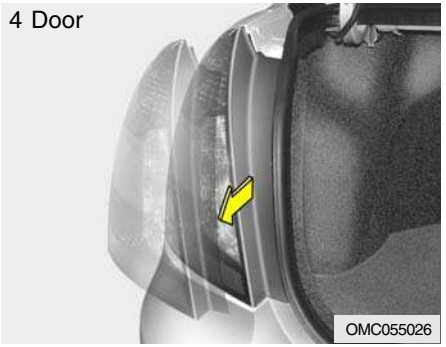
1. Open the trunk lid (4 Door) or tail gate (3 Door).

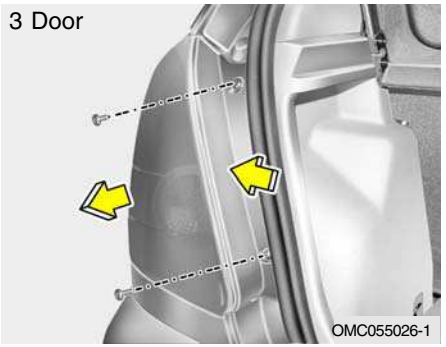


2. Remove the cover on the inside of luggage trim.

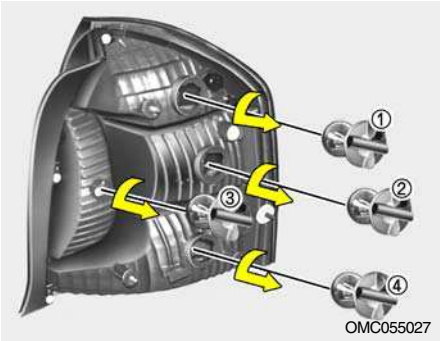


3. Remove the nuts of the rear combination light with a spanner.





4. Detach the rear combination lamp by pulling it out (4 Door) or remove the mounting screws of the rear combination lamp with a phillips screwdriver (3 Door).



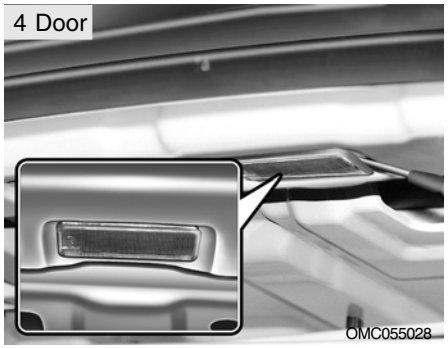
5. To replace the rear combination light, take it out from the bulb holder by turning it counterclockwise.

(1) Stop/Tail Light
(2) Turn Signal Light
(3) Back-up Light
(4) Stop/Tail Light,
Rear Fog Light (If Installed)

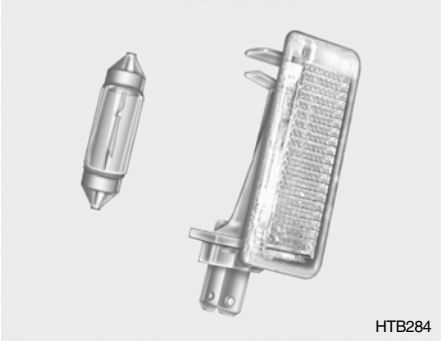
6. Install the new bulb.

G270C01MC-GAT

Luggage Compartment Light



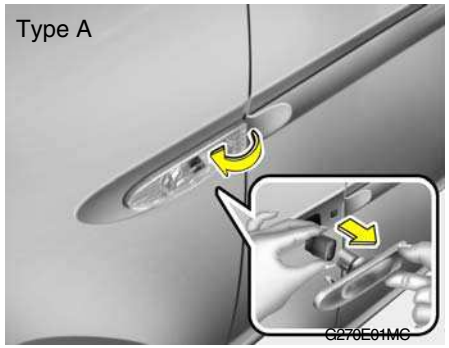
1. Open the trunk lid (4 Door) or tail gate (3 Door).
2. Carefully remove the cover with a flat-head screwdriver.



3. Replace with a new bulb.

G270E01A-GAT

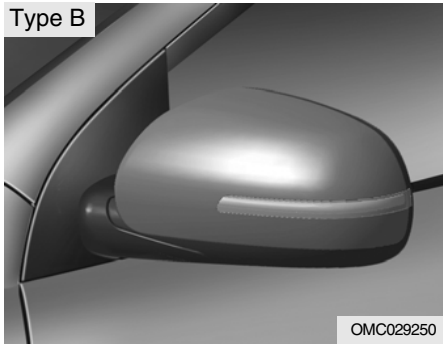
Side Repeater (If Installed)



1. Push the cover toward the front of vehicle and remove it.
2. Disconnect the power code.
3. Replace with a new bulb.

G220200AEN

Side Repeater (If Installed)



If the light bulb is not operating, have the vehicle checked by an authorized Hyundai dealer.

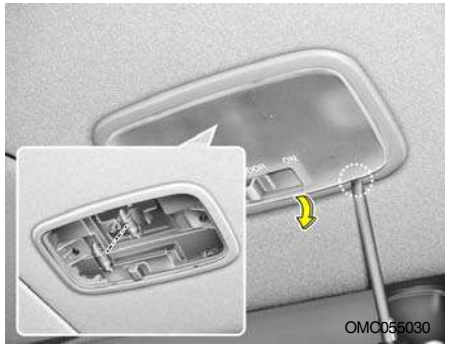
G270G01MC-GAT

Map Light (If Installed)

1. Remove the cover with a flat-head screwdriver.
2. Replace with a new bulb.

G275H01MC-GAT

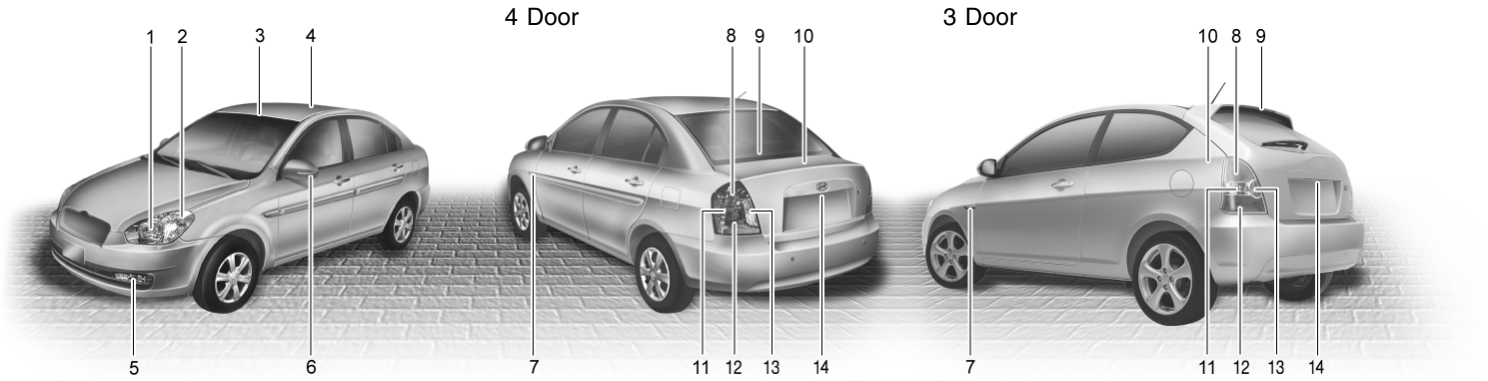
Interior Light



1. Remove the cover with a flat-head screwdriver.
2. Replace with a new bulb.

BULB WATTAGE

G280A01MC-GAT



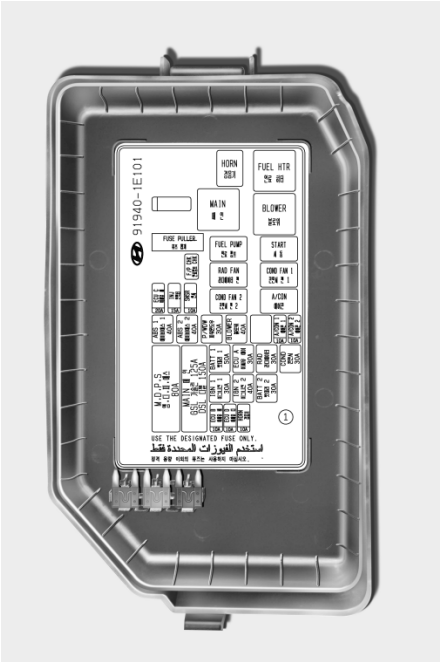
OMC059020N

No.	Part Name	Wattage	Socket Type	No.	Part Name	Wattage	Socket Type
1	Headlight (High/Low)	55/60	P43t-38	8	Stop/Tail Light	21/5	BAY15d
2	Front Turn Signal Light	21	BAU15s	9	High Mounted Rear Stop Light (If Installed)	16	W2.1X9.5d
	Front Position Light	5	W2.1X9.5d				
3	Map Light	10	W2.1X9.5d	10	Luggage Compartment Light	5	S8.5/8.5
4	Interior Light	10	S8.5/8.5	11	Rear Turn Signal Light	21	BAU15s
5	Front Fog Light (If Installed)	27	PG13	12	Rear Fog Light (If Installed)	21	BA15s
6	Side Repeater Light (If Installed)	0.4	LED Type	13	Back-up Light	16	W2.1X9.5d
7	Side Repeater Light (If Installed)	5	W2.1X9.5d	14	License Plate Light	5	S8.5/8.5

FUSE PANEL DESCRIPTION

G200C01MC-GAT

Engine Compartment (Gasoline Engine)



G200C01MC

FUSE	FUSE RATING	CIRCUIT PROTECTED
MAIN	125A	Generator
BATT #1	50A	I/P Junction Box
BLOWER	40A	Blower Relay, Blower Motor
ABS #1	40A	ABS Control Module, ESP Module, Multipurpose Check Connector
ABS #2	40A	ABS Control Module, ESP Module, Multipurpose Check Connector
IGN #2	40A	Start Relay, Ignition Switch
IGN #1	30A	Ignition Switch
BATT #2	30A	I/P Junction Box
P/WDW	30A	I/P Junction Box
RAD	30A	Condenser Fan Relay #1, RAD Fan Relay
ECU A	30A	Main Relay, Fuel Pump Relay
ECU C	20A	ECM, PCM
INJ	15A	Injector #1, #2, #3, #4, CVVT Oil Control Valve, Immobilizer Control Module,Purge Control Solenoid Valve, Idle Speed Control Actuator
A/CON #1	10A	A/Con Relay
A/CON #2	10A	A/C Control Module
ECU B	10A	ECM, TCM, PCM
HORN	10A	Horn Relay, Burglar Alarm Horn Relay
SNSR	10A	A/Con Relay, Rad Fan Relay, Condenser Fan Relay #1, #2, Camshaft Position Sensor,Oxygen Sensor(UP, DOWN), Mass Air Flow Sensor
COND	30A	Condenser Fan Relay #1
M.D.P.S	80A	EPS Control Module

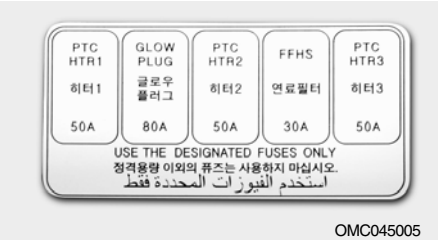
NOTE:

Not all fuse panel descriptions in this manual may be applicable to your vehicle. It is accurate at the time of printing. When you inspect the fuse box on your vehicle, refer to the fuse box label.

G200D01MC-GAT

Engine Compartment (Diesel Engine)

G200C01MC

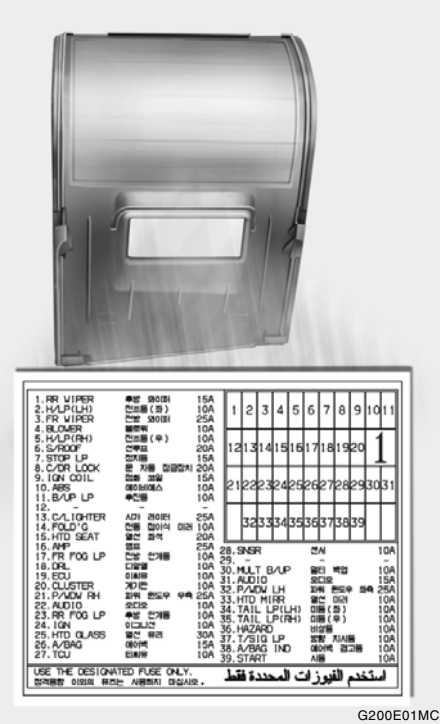


OMC045005

FUSE	FUSE RATING	CIRCUIT PROTECTED
MAIN	150A	Generator
BATT #1	50A	I/P Junction Box
BLOWER	40A	Blower Relay, Blower Motor
ABS #1	40A	ABS Control Module, ESP Module, Multipurpose Check Connector
ABS #2	40A	ABS Control Module, ESP Module, Multipurpose Check Connector
IGN #2	40A	Start Relay, Ignition Switch
IGN #1	30A	Ignition Switch
BATT #2	30A	I/P Junction Box
P/WDW	30A	I/P Junction Box
RAD	30A	Condenser Fan Relay #1, RAD Fan Relay
ECU A	30A	Main Relay
ECU C	20A	ECM
INJ	15A	Injector #1, #2, #3, Immobilizer Control Module, Throttle Flap Actuator, Glow Plug Relay, Camshaft Position Sensor,PTC Heater Relay #1, EGR Actuator, VGT Actuator
A/CON #1	10A	A/Con Relay
A/CON #2	10A	A/C Control Module
ECU B	10A	ECM, TCM
HORN	10A	Horn Relay, Burglar Alarm Horn Relay
SNSR	10A	A/Con Relay, Rad Fan Relay, Condenser Fan Relay #1, #2, Lambda Sensor,Stop Lamp Switch
COND	30A	Condenser Fan Relay #1
M.D.P.S	80A	EPS Control Module
ECU D	10A	ECM

G200E01MC-GAT

Inner Panel



G200E01MC

FUSE	FUSE RATING	CIRCUIT PROTECTED
P/WDW RH	25A	Driver Power Window Switch, Assist Power Window Switch,Rear Power Window Switch RH
P/WDW LH	25A	Driver Power Window Switch, Rear Power Window Switch LH
AUDIO	10A	Power Outside Mirror & Mirror Folding Switch, Digital Clock,Audio
C/LIGHTER	25A	Cigarette Lighter, Power Outlet
H/LP (LH)	10A	Head Lamp LH
HTD MIRR	10A	ECM, Driver Power Outside Mirror & Mirror Folding Motor,Assist Power Outside Mirror & Mirror Folding Motor, PCM, Rear Defogger Switch
RR WIPER	15A	Multi-function Switch, Rear Wiper Motor
FR WIPER	25A	Multi-function Switch, Front Wiper Motor
TAIL LP (LH)	10A	Rear Combination Lamp LH, License Lamp LH(3DOOR),Head Lamp LH, DRL Control Module
IGN	10A	Head Lamp Leveling Switch, Head Lamp Leveling Actuator,Fuel Filter Heater Relay(Diesel), Front Fog Relay
HTD SEAT	20A	Driver Seat Warmer Switch, Assist Seat Warmer Switch
BLOWER	10A	Active Interior & Humidity Sensor, A/C Control Module, BCM, Blower Relay, Sunroof Motor, PTC Heater Relay #2, #3(Diesel)
TAIL LP (RH)	10A	Rear Combination Lamp RH, License Lamp RH(3DOOR),Head Lamp RH, License Lamp(4DOOR), Shunt Connector
HTD GLASS	30A	BCM, Rear Defogger
AMP	25A	AMP
H/LP (RH)	10A	Head Lamp RH, Instrument Cluster, DRL Control Module
HAZARD	10A	Hazard Relay, Hazard Switch
A/BAG	15A	SRS Control Module
SNSR	10A	PAB Cut Off Switch
RR FOG LP	10A	Rear Combination Lamp, Rear Fog Lamp Switch, BCM

FUSE	FUSE RATING	CIRCUIT PROTECTED
FR FOG LP	10A	Front Fog Lamp Switch, Front Fog Lamp LH, Front Fog Lamp RH,BCM
S/ROOF	20A	Sunroof Motor
T/SIG LP	10A	Hazard Switch
TCU	10A	Over Driver Switch, TCM(Diesel), Pulse Generator 'A'(Diesel),Pulse Generator 'B'(Diesel), Vehicle Speed Sensor
STOP LP	15A	Data Link Connector, Stop Lamp Switch, P/WDW Relay,Multipurpose Check Connector
A/BAG IND	10A	Instrument Cluster
ECU	10A	ECM, PCM, EPS Control Module, Mass Air Flow Sensor(Diesel), Fuel Filter Warning Switch(Diesel)
C/DR LOCK	20A	Driver Door Lock Actuator, Assist Door Lock Actuator, BCM,Rear Door Lock Actuator LH, Rear Door Lock Actuator RH,Driver Power Window Switch, Tail Gate Lock Actuator
START	10A	Start Relay
CLUSTER	15A	BCM, Instrument Cluster, Generator, DRL Control Module
IGN COIL	10A	Ignition Coil #1, #2, #3, #4, Condenser
AUDIO (Power Connector)	15A	Audio
MULT B/UP (Power Connector)	10A	Luggage Lamp, Room Lamp, Vanity Lamp Switch, Digital Clock,Overhead Consol Lamp, A/C Control Module, Instrument Cluster,Back Warning Buzzer, Door Warning Switch, BCM
ABS	10A	ESP Switch, Steering Angle Sensor, ABS Control Module,ESP Module, Multipurpose Check Connector
B/UP LP	10A	Back-up Lamp Switch, Transaxle Range Switch
DRL	10A	DRL Control Module
FOLD'G	10A	Power Outside Mirror & Mirror Folding Switch

EMISSION CONTROL SYSTEM

Emission Control System 7-2
Catalytic Converter 7-3
EGR System 7-4

7

EMISSION CONTROL SYSTEM

H010A01A-GAT

(If Installed)

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 fresh air to the crankcase through the air intake hose. Inside the crankcase, the fresh air mixes with blow-by gases, which then pass through the PCV valve and into the induction system.

H010C02E-GAT

2. Evaporative Emission Control System

The Evaporative Emission Control System is designed to prevent fuel vapors from escaping into the atmosphere.

Canister

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 (PCSV)

The purge control solenoid valve is controlled by the Engine Control Module (ECM); when the engine coolant temperature is low during idling, the PCSV closes so that evaporated fuel is not taken into the engine. After the engine warms-up during ordinary driving, the PCSV opens so as to introduce evaporated fuel to the engine.

H010D01A-AAT

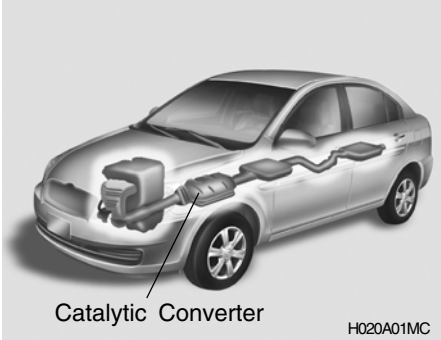
3. Exhaust Emission Control System

The exhaust emission control system is a highly effective system which controls exhaust emission while maintaining good vehicle performance.

CATALYTIC CONVERTER

H020A01A-GAT

(If Installed)
; For a gasoline engine



The catalytic converter is part of the exhaust emission control system. Its purpose is to remove certain engine emission products from the engine's exhaust. It looks something like a muffler and is located underneath the car in the exhaust system.

H020B02A-GAT

About the Catalytic Converter

Exhaust gases passing through the catalytic converter cause it to operate at very high temperatures. As a result, the introduction of large amounts of unburned gasoline may cause it to overheat and create a fire hazard. This can be avoided by observing the following:

WARNING:

- **Make sure to refuel your vehicle according to the "Fuel recommendations" suggested in section 1.**
- **Maintain your engine in good condition. Extremely high converter temperatures can result from improper operation of the electrical, ignition or fuel injection systems.**
- **If your engine stalls, pings, knocks, or is hard to start, take your car to your Hyundai dealer as soon as possible and have the difficulty corrected.**
- **Avoid driving with a very low fuel level. If your run out of gasoline, it could cause the engine to misfire and result in excessive loading of the catalytic converter.**
- **Avoid idling the engine for periods longer than 10 minutes.**
- **Your Hyundai should not be either pushed or pulled to get it started. This can cause the catalytic converter to overload.**
- **Take care not to stop your Hyundai over any combustible material such as grass, paper, leaves or rags. As these materials could come in contact with the catalytic converter and could cause a fire.**
- **Do not touch the catalytic converter or any other part of the exhaust system while the engine is running as it is very hot and could result in burns.**
- **Remember that your Hyundai dealer is your best source of assistance.**

o Do not park, idle or drive your vehicle over any combustible material such as grass, paper, leaves or rags. These materials might contact the hot catalytic converter and a fire might result.

H020D01S-GAT

CATALYTIC CONVERTER (If Installed) ; For a diesel engine

Hyundai vehicle is equipped with oxidation type catalytic converter to reduce the carbon monoxide, hydrocarbons and particulate contained in the exhaust gas.

EGR SYSTEM

H020C01S-GAT

(If Installed) ; For a diesel engine

This system helps control oxides of nitrogen by recirculating a part of the exhaust gas into the engine.

CONSUMER INFORMATION

Vehicle Identification Number (VIN) 8-2
Engine Number 8-3
Recommended Inflation Pressures 8-3
Snow Tires 8-4
Tire Chains 8-5
Tire Rotation 8-5
Tire Balancing 8-6
Tire Traction 8-6
When to Replace Tires 8-6
Spare Tire and Tools 8-7

8

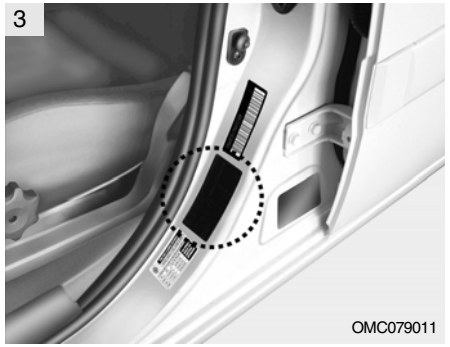
2 VEHICLE IDENTIFICATION NUMBER (VIN)

I010A02MC-AAT

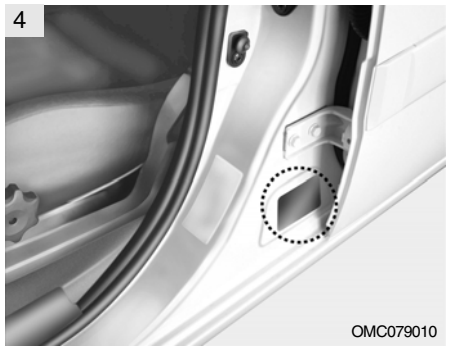
1

2

3



4



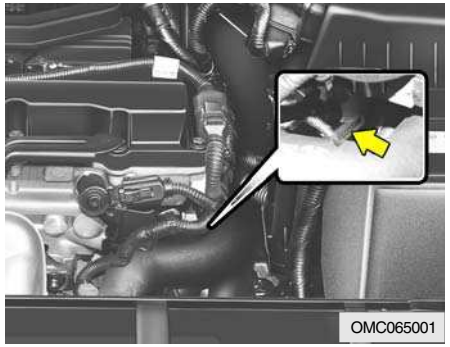
The vehicle identification number (VIN) is the number used in registering your car and in all legal matters pertaining to its ownership, etc. It can be found in four different places on your car (If Installed):

1. The number is punched on floor under the front passenger seat. To check the number, remove the cover.
2. The VIN is also on a plate attached to the top of the dashboard. The number on the plate can easily be seen through the windshield from outside.
3. The vehicle certification label attached on the driver's side center pillar gives the vehicle identification number (VIN).
4. On the lower side of the center pillar outer panel.

ENGINE NUMBER

I010B01A-GAT

Gasoline Engine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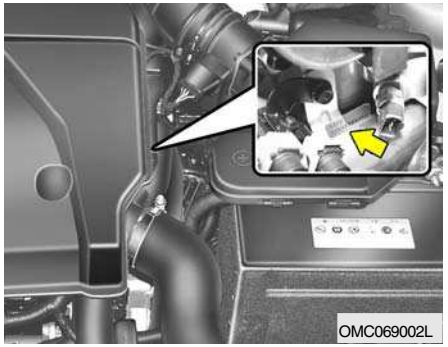
Diesel Engine


OMC069002L

The engine number is stamped on the engine block as shown in the drawing.

TIRE

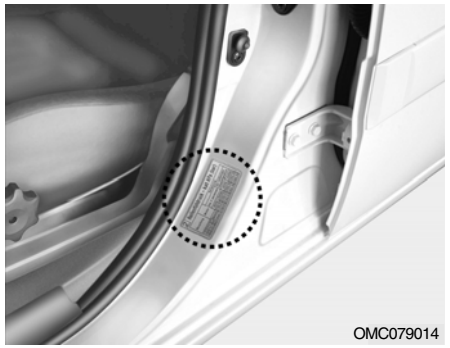
I020A01A-AAT

TIRE INFORMATION

The tires supplied on your new Hyundai are chosen to provide the best performance for normal driving.

I030A02MC-GAT

RECOMMENDED INFLATION PRESSURES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The tire label located on the driver's side of the center pillar gives the tire pressures recommended for your car.

4 DOOR

RECOMMENDED INFLATION PRESSURE-COLD.

ENGINE	RIM SIZE	TIRE SIZE	PRESSURE, kPa(psi)			
			UP TO 2 PERSONS		UP TO MAX. LOAD	
			FRONT	REAR	FRONT	REAR
GASOLINE	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	5.5JX15	195/55R15	220(32)	220(32)	230(33)	230(33)
DIESEL	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	5.5JX15	195/55R15	220(32)	220(32)	230(33)	230(33)

THE TIRES FITTED TO THIS VEHICLE SHALL HAVE A MAX. LOAD RATING NOT LESS THAN 500kg, OR A LOAD INDEX OF 84 AND A SPEED CATEGORY NOT LESS THAN T.

OMC059111N

3 DOOR

RECOMMENDED INFLATION PRESSURE-COLD.

ENGINE	RIM SIZE	TIRE SIZE	PRESSURE, kPa(psi)			
			UP TO 2 PERSONS		UP TO MAX. LOAD	
			FRONT	REAR	FRONT	REAR
GASOLINE	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	6.5JX16	205/45R16	220(32)	220(32)	240(35)	240(35)
DIESEL	5.JX14	175/70R14	220(32)	220(32)	230(33)	230(33)
	5.5JX14	185/65R14	220(32)	220(32)	230(33)	230(33)
	6.5JX16	205/45R16	230(33)	230(33)	240(35)	240(35)

THE TIRES FITTED TO THIS VEHICLE SHALL HAVE A MAX. LOAD RATING NOT LESS THAN 500kg, OR A LOAD INDEX OF 84 AND A SPEED CATEGORY NOT LESS THAN T.

OMC059112N

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:

- o Lower-than-recommended tire pressures cause uneven tread wear and poor handling.
- o Higher-than-recommended tire pressures increase the chance of damage from impacts and cause uneven tread wear.

CAUTION:
Always observe the following:

- **o 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.**
- **o Check the pressure of your spare tire each time you check the pressure of other tires.**
- **o Worn, old tires can cause accidents. If your tread is badly worn, or if your tires have been damaged, replace them.**

I040A02S-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 the 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.

I050A01MC-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:

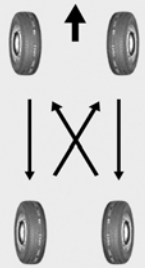
- **If your vehicle is equipped with 205/45R16 size tires, do not install tire chains. This may cause damage to the vehicle (wheels, suspension and body) by chains contacting the body.**
- **When driving on roads covered with snow or ice, drive at less than 30 km/h (20 mph).**
- **Use the SAE "S" class or wire & plastic chains.**
- **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.**
- **Don't use tire chains on a vehicle equipped with aluminium wheels. If it is unavoidable, use wire type chains.**
- **Use wire chains less than 15 mm to prevent damage to the chain's connection.**

I060A02A-AAT

TIRE ROTATION

With temporary spare tire



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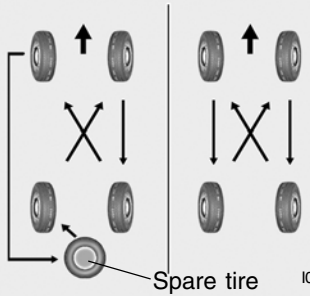
With full size spare tire



I060A02TG

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 use the temporary spare tire for tire rotations.**
- **Do not mix bias-ply and radial-ply tires under any circumstances. This may cause dangerous handling characteristics.**

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.

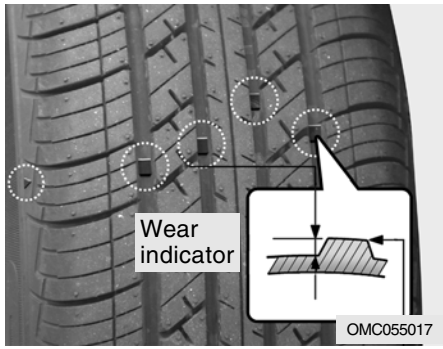
I080A01A-AAT

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.

I090A03MC-GAT

WHEN TO REPLACE TIRES



The original tires on your car have tread wear indicators. The location of tread wear indicators is shown by the "TWI" or "△" marks, etc., 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 specification.

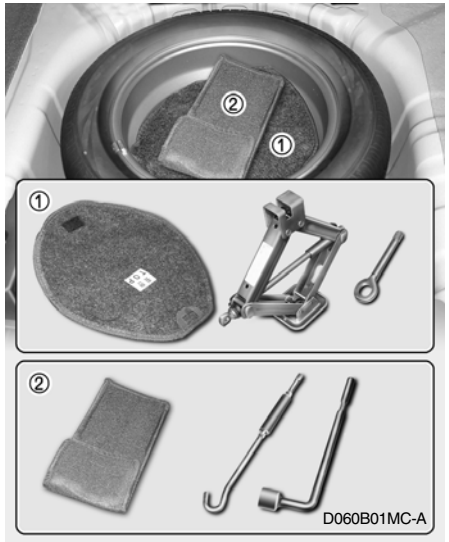
WARNING:

- **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.**
- **Tires degrade over time, even when they are not being used. Regardless of the remaining tread, it is recommended that tires tread, It is recommended that tires generally be replaced after 6 years of normal service. Heat caused by hot climates or frequent high loading conditions can accelerate the aging process.**

Failure to follow this Warning can result in sudden tire failure, which could lead to a loss of control and an accident involving serious injury or death.

- **The ABS works by comparing the speed of the wheels. Tire size can affect wheel speed. When replacing tires, all 4 tires must use the same size originally supplied with the vehicle. Using tires of a different size can cause the ABS (Anti-lock Brake System) and ESP (Electronic Stability Program) (If Installed) to work irregularly.**

I100A03MC-GAT



Your Hyundai is delivered with the following:

Spare tire and wheel
Jack, Towing hook (If Installed)
Wrench bar, Wheel nut wrench

VEHICLE SPECIFICATIONS

Measurement 9-2
Engine 9-3
Lubrication Chart 9-4

9

J010A02MC-GAT
MEASUREMENT

mm (in.)

Item		4 Door	3 Door
Overall length		4300 (169.3)	4045 (159.3)
Overall width		1695 (66.7)	←
Overall height		1470 (57.9)/1475 (58)*	←
Wheel base		2500 (98.4)	←
Wheel tread	Front	1470 (57.9)/1485 (58.5)*	←
	Rear	1460 (57.5)/1475 (58)*	←

* with 175/70R14 Tire

J020A01MC-GAT
POWER STEERING

Type		Rack and pinion
Wheel free play		0 ~ 30 mm (0 ~ 1.18 in.)
Rack stroke	175 Tire only	142 mm (5.59 in.)
	Except 175 Tire	138 mm (5.43 in.)
Oil pump type		Vane type

J060A01A-GAT
FUEL SYSTEM

Fuel tank Capacity	Liter	Imp.gal
	45	9.9

J030A01MC-GAT
TIRE

4 Door	175/70 R14, 185/65 R14, 195/55 R15
3 Door	175/70 R14, 185/65 R14, 205/45 R16

J035A01MC-GAT
SPARE TIRE

Type A	Temporary (T115/70D15, T125/80D15)
Type B	Full size

J050A02MC-GAT
BRAKE

Type	Dual hydraulic with brake booster
Front brake type	Ventilated disc
Rear brake type	Drum
	Disc (If Installed)
Parking brake	Cable operated on rear wheel

ENGINE

J070A02MC-GAT

ITEMS		GASOLINE		DIESEL
		1.4L	1.6L	1.5L
Engine Type		4-Cylinder in-line DOHC		
Bore x Stroke (mm)		75.5 x 78.1	76.5 x 87	75 x 84.5
Displacement (cc)		1,399	1,599	1,493
Firing order		1 - 3 - 4 - 2		
Idle speed (RPM)	N,P	720 ± 100		820 ± 100
	D	660 ± 100		
Ignition timing		BTDC 5° ± 5°		Auto control

4 LUBRICATION CHART

J080A03MC-GAT

Item		Oil & Grease Standard		Q'ty (liter)
Engine Oil Recommends Shell HELIX Motor oils	Gasoline	API Service SM*1 or above, ILSAC GF-4 or above	SAE 5W-20*2, 5W-30 (ALL TEMP. RANGE)	Drain and refill (with oil filter) : 3.3 (2.9 Imp.qts)
			SAE 10W-30 (ABOVE -18°C)	
			SAE 15W-40 (ABOVE -13°C)	
			SAE 20W-50 (ABOVE -7°C)	
	Diesel	API CH-4 or above, ACEA B4	SAE 15W-40 (ABOVE -15°C)	Drain and refill (with oil filter) : 5.3 (4.6 Imp.qts)
			SAE 10W-30 (-20°C ~ 40°C)	
			SAE 5W-30 (-25°C ~ 40°C)	
			SAE 0W-30 (BELOW 30°C)	
Engine Oil Consumption		Normal driving condition		MAX. 1L / 1,500 Km
		Severe driving condition		MAX. 1L / 1,000 Km
Transaxle	Manual	HYUNDAI GENUINE PARTS MTF 75W/85 (API GL-4)		Gasoline : 1.9 (1.64 Imp. qts)
				Diesel : 2.0 (1.73 Imp. qts)
	Automatic	HYUNDAI GENUINE ATF SP-III, DIAMOND ATF SP-III, SK ATF SP-III or other brands approved by Hyundai Motor Co.,		6.1 (5.3 Imp.qts) (Gasoline only)
Power Steering Fluid (If Installed)		PSF-3		As required
Brake Fluid		DOT 3, DOT 4 or equivalent		As required
Coolant		Ethylene glycol base for aluminum radiator		Gasoline : 5.5~5.8
				Diesel : 5.3~5.4

*1 : If the API service SM engine oil is not available in your country, you are able to use API service SL.
*2 : In Middle East, do not use the engine oil of viscosity grade SAE 5W-20.

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