A000A01A-GAT

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

OWNER'S I.D.

ORIGINAL: NAME: _____

ADDRESS: STREET: _____

TOWN: _____

COUNTRY: _____

P.CODE: _____

DATE OF SALE: _____

SUBSEQUENT: NAME: _____

ADDRESS: STREET: _____

TOWN: _____

COUNTRY: _____

P.CODE: _____

TRANSFER DATE: _____

HYUNDAI

AZERA
GRANDEUR

A030A01TG

OWNER'S MANUAL

A030A01TG-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 current Hyundai models and explanations of optional as well as standard equipment are included. As a result, you may find material in this manual that does not apply to your specific vehicle.

Please note that some 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.

A020A01A-AAT

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.

A040A01A-AAT

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.

A050A05A-AAT

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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A070A01A-GAT

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.

A080A01S-AAT

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.

A090A01A-AAT

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.

A100A01L-GAT

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?

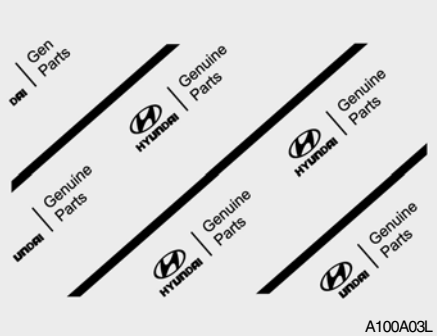
Hyundai Genuine Parts are engineered and built to meet rigid manufacturing requirements. Using imitation, counterfeit or used salvage parts are not covered under the Hyundai New Vehicle Limited Warranty or any other Hyundai warranty. In addition, any damage to or failure of Hyundai Genuine Parts caused 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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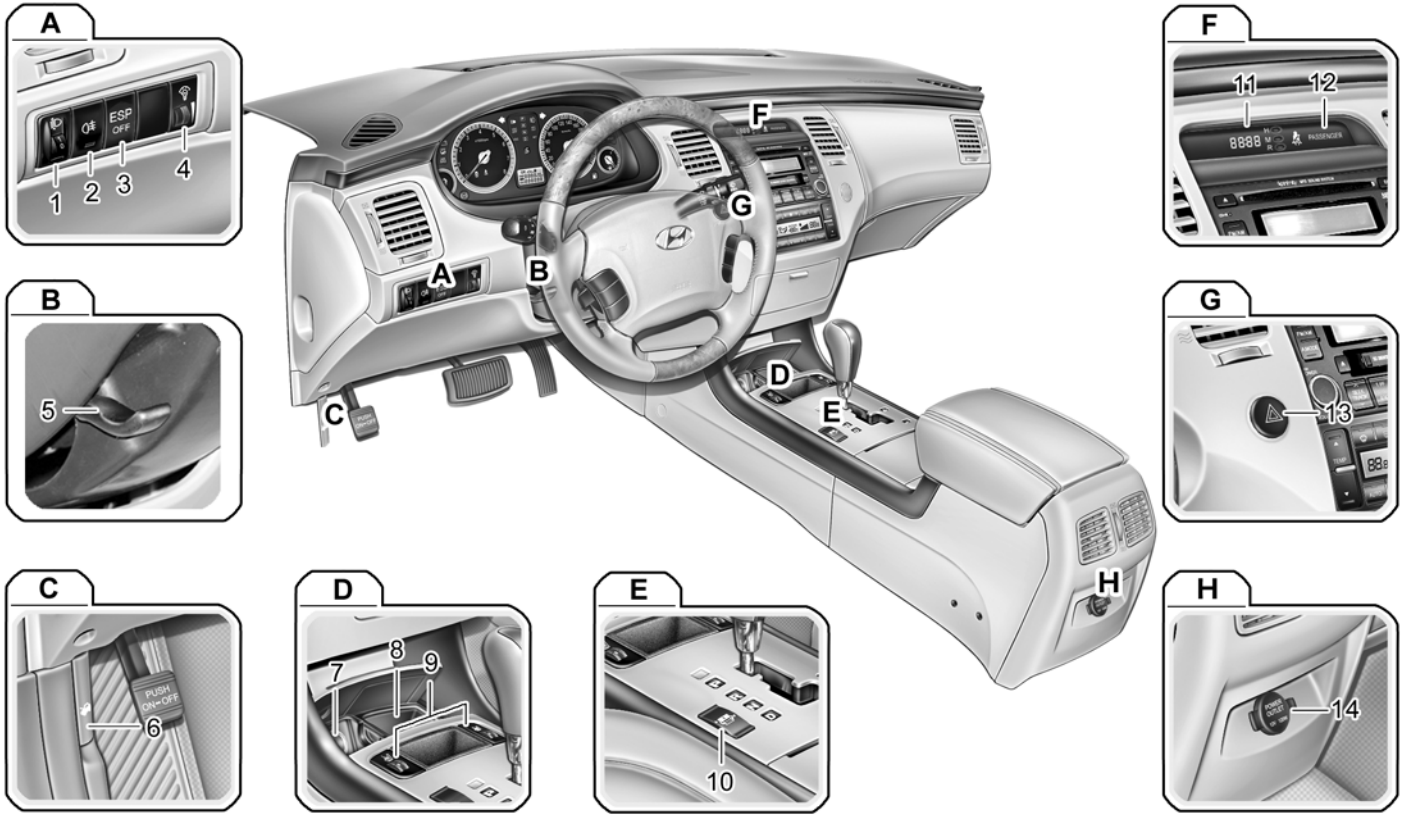
INSTRUMENTS AND CONTROLS (LEFT-HAND DRIVE) (I)

B250A01TG-GAT



B250A01TG

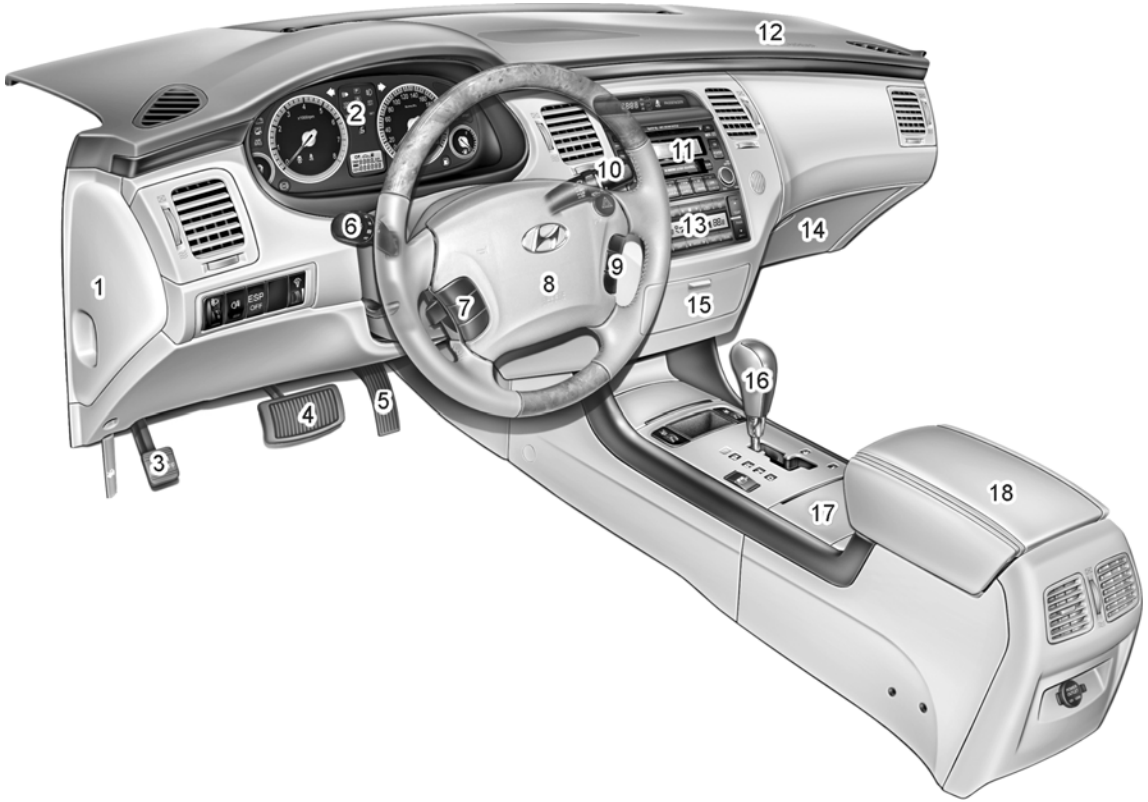
1. Headlight Leveling Device Switch (If Installed)
2. Rear Fog Light Switch (If Installed)
3. Electronic Stability Program (ESP) Switch (If Installed)
4. Panel Brightness Control Knob (Rheostat Switch)
5. Steering Wheel Tilt & Telescopic Lever
6. Hood Release Lever
7. Cigarette Lighter
8. Front Ashtray
9. Front Seat Warmer (If Installed)
10. Rear Window Curtain Switch (If Installed)
11. Digital Clock
12. Passenger's Seat Belt Warning Light (If Installed)
13. Hazard Warning Switch
14. Power Outlet

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.

NOTE:
Switch arrangements from No. 1 to No. 4 can be changed according to options.

INSTRUMENTS AND CONTROLS (LEFT-HAND DRIVE) (II)

B250B01TG-GAT



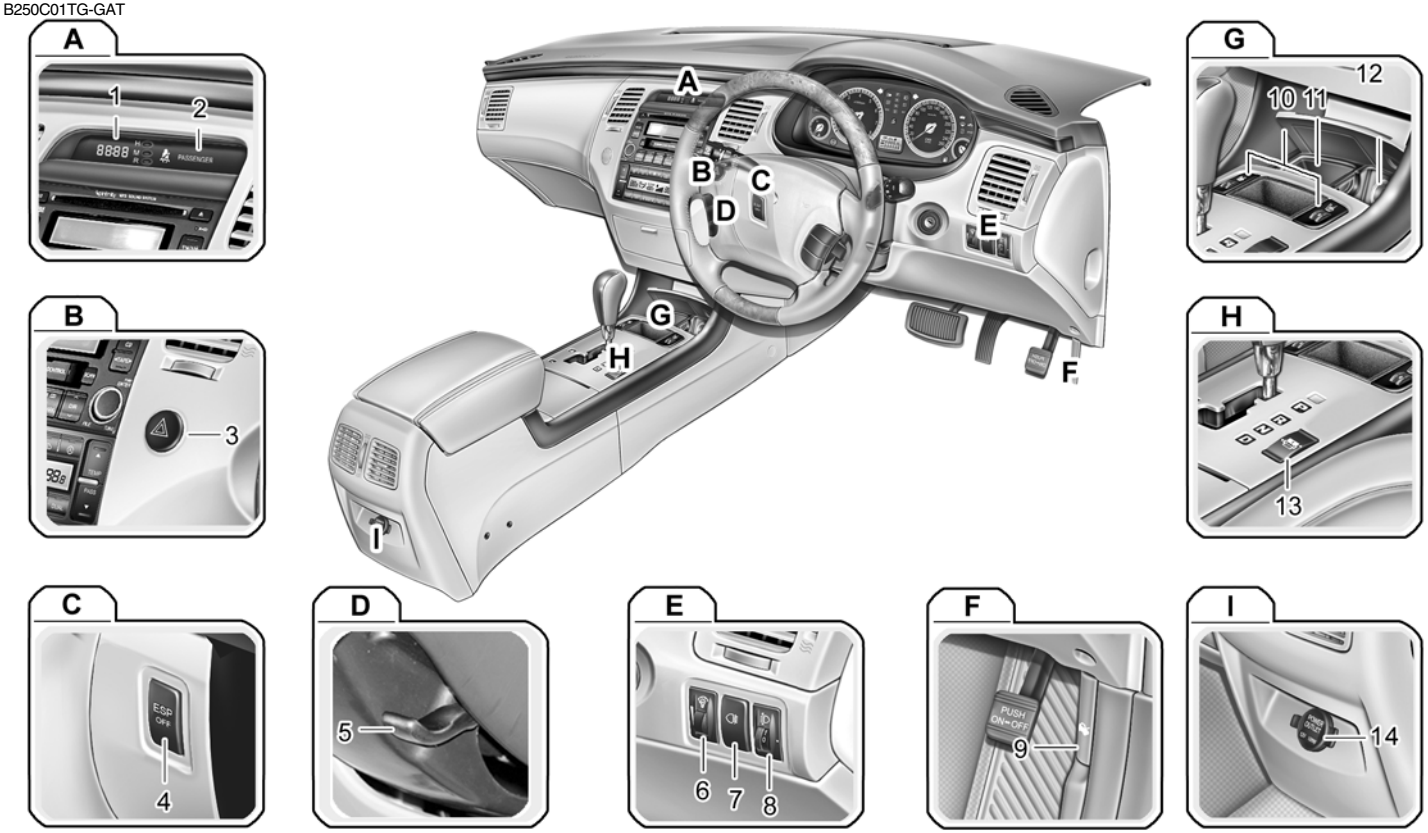
B250B01TG

1. Fuse Box
2. Instrument Cluster
3. Parking Brake Pedal
4. Brake Pedal
5. Accelerator Pedal
6. Multi-Function Light/Front Fog Light Switch
7. Audio Remote Control Switch (If Installed)
8. Horn and Driver's Airbag
9. Cruise Control Switch (If Installed)
10. Windshield Wiper/Washer Switch
11. Audio System (If Installed)
12. Passenger's Front Airbag (If Installed)
13. Heating/Air Conditioning Control Panel
14. Glove Box
15. Accessory Box
16. Shift Lever
17. Drink Holder
18. Center Console

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) (I)

B250C01TG-GAT



B250A01TG-R

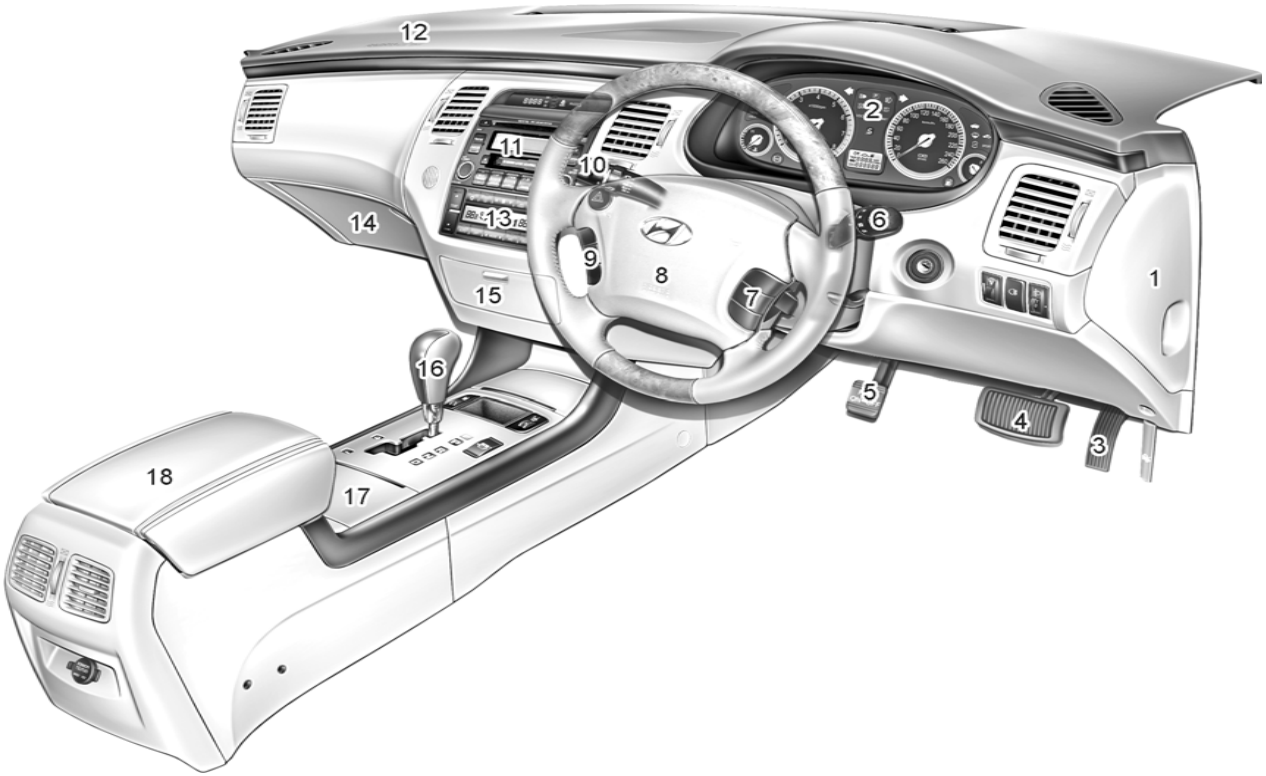
1. Digital Clock
2. Passenger's Seat Belt Warning Light (If Installed)
3. Hazard Warning Switch
4. Electronic Stability Program (ESP) Switch (If Installed)
5. Steering Wheel Tilt & Telescopic Lever
6. Panel Brightness Control Knob (Rheostat Switch)
7. Rear Fog Light Switch (If Installed)
8. Headlight Leveling Device Switch (If Installed)
9. Hood Release Lever
10. Front Seat Warmer (If Installed)
11. Front Ashtray
12. Cigarette Lighter
13. Rear Window Curtain Switch (If Installed)
14. Power Outlet

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.

NOTE:
Switch arrangements from No. 6 to No. 8 can be changed according to options.

INSTRUMENTS AND CONTROLS (RIGHT-HAND DRIVE) (II)

B250D01TG-GAT



B250B01TG-R

1. Fuse Box
2. Instrument Cluster
3. Parking Brake Pedal
4. Accelerator Pedal
5. Brake Pedal
6. Multi-Function Light/Front Fog Light Switch
7. Cruise Control Switch (If Installed)
8. Horn and Driver's Airbag
9. Audio Remote Control Switch (If Installed)
10. Windshield Wiper/Washer Switch
11. Audio System (If Installed)
12. Passenger's Front Airbag (If Installed)
13. Heating/Air Conditioning Control Panel
14. Glove Box
15. Accessory Box
16. Shift Lever
17. Drink Holder
18. Center Console

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.

B255A01TG-GAT

INDICATOR SYMBOLS ON THE INSTRUMENT CLUSTER

- Turn Signal Indicator Lights
- High Beam Indicator Light
- Low Oil Pressure Warning Light
- Parking Brake/Low Brake Fluid Level Warning Light
- Charging System Warning Light
- Door Ajar Warning Light
- Trunk Lid Open Warning Light
- Low Fuel Level Warning Light
- Low Windshield Washer Fluid Level Warning Light
- Seat Belt Warning Light
- Front Fog Indicator Light
- Malfunction Indicator Light
- SRS (Airbag) Service Reminder Indicator (SRI)
- Passenger's Front Airbag OFF Indicator Light (If Installed)
- ABS Service Reminder Indicator (SRI)
- Electronic Stability Program Indicator Lights (If Installed)
- Cruise Indicator Light (If Installed)
- Cruise SET Indicator Light (If Installed)
- Immobilizer Warning Light (If Installed)

* More detailed explanations of these items will be found beginning on page 1-62.

FEATURES OF YOUR HYUNDAI

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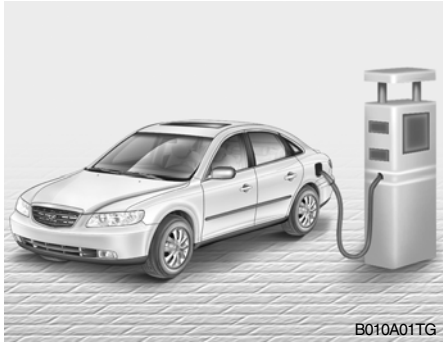
Use Unleaded Gasoline



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 the 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.**

B010B01A-AAT

What About Gasohol?

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

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Do not Use Methanol

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

CAUTION:

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

B010E01A-AAT

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 the Emission Control System performance.

B010F01A-AAT

Operation in Foreign Countries

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

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

BREAKING IN YOUR NEW HYUNDAI

B020A01S-GAT

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

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 quickly or 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 for a catalytic converter equipped engine.
- o Don't tow a trailer during the first 2,000 km (1,200 miles) of operation.

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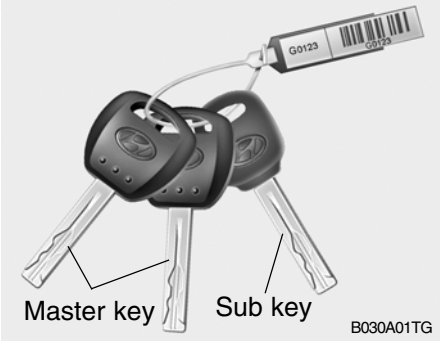

For greater convenience, your Hyundai has two master keys and a sub key. The master keys will open all locks on your vehicle. The sub key will only function in the ignition and the door locks.

Leaving your sub key with a parking attendant will ensure that your vehicle's trunk, trunk lid release, glove box compartment and rear trunk access may not be unlocked in your absence.

NOTE:
Before leaving your sub key with a parking attendant, make sure that the lock knobs of the rear seat back lock and the trunk lid lock are switched to the "LOCK" position.

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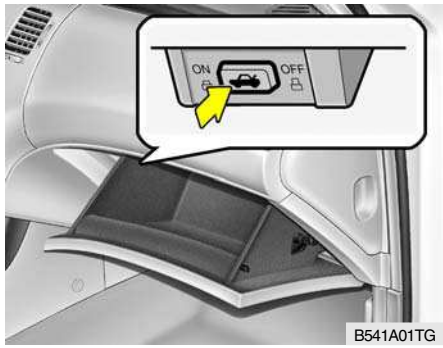
Before leaving sub key with parking attendant



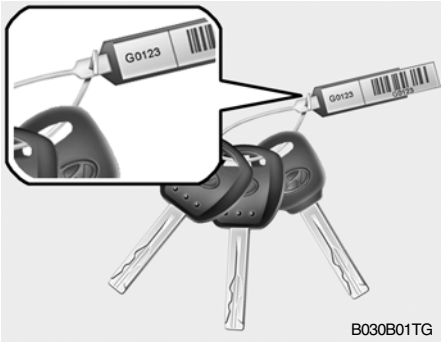
When leaving sub key with parking attendant, the following procedures will ensure that your vehicle's trunk and glove box can not be unlocked in your absence.

1. Unlock the glove box with the master key and open it.
2. Set the trunk lid control button in the glove box to the "OFF" position (not depressed). In the "OFF" position, the trunk can not be unlocked with either the trunk release lever or trunk open button of transmitter.

3. Close the glove box, and lock the glove box using the master key.
4. Leave the sub key with the attendant. Trunk and glove box are secured because sub key only allows engine start and door lock and unlock.

B030B01NF-GAT

Record Your Key Number



A code number is attached 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.

B880A01A-GAT

(If Installed)

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

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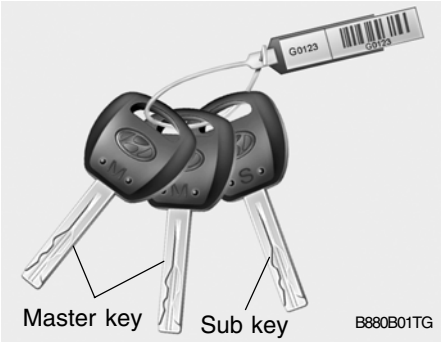
Two Types of Keys



For greater convenience, your Hyundai has two types of keys as shown in the illustration.

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

2) Sub key
Similar to the master key, this key will only function in the ignition and the door locks, but it will not operate the trunk and the glove box. One side of the key has the Hyundai logo and the other side has an "S" symbol.
Leaving your sub key with a parking attendant will ensure that your vehicle's trunk, trunk lid release, glove box compartment and rear trunk access may not be unlocked in your absence.

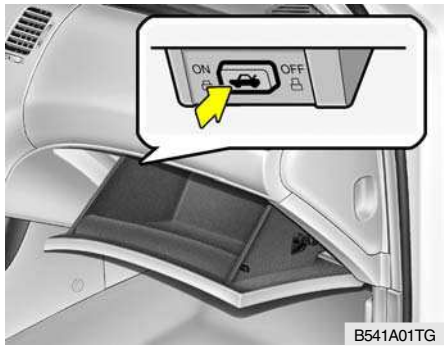
NOTE:

- **Before leaving your sub key with a parking attendant, make sure that the lock knobs of the seat back lock and the trunk lid lock are switched to the "LOCK" position.**
- **If you make your own duplicate key, you will not be able to cancel the system or start the engine.**

CAUTION:
When staring 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 key separately not to have any malfunction after you receive your new vehicle.

B031A01LZ-GAT

Before leaving sub key with parking attendant



When leaving sub key with parking attendant, the following procedures will ensure that your vehicle's trunk and glove box can not be unlocked in your absence.

1. Unlock the glove box with the master key and open it.
2. Set the trunk lid control button in the glove box to the "OFF" position (not depressed). In the "OFF" position, the trunk can not be unlocked with either the trunk release lever or trunk open button of transmitter.

3. Close the glove box, and lock the glove box using the master key.
4. Leave the sub key with the attendant. Trunk and glove box are secured because sub key only allows engine start and door lock and unlock.

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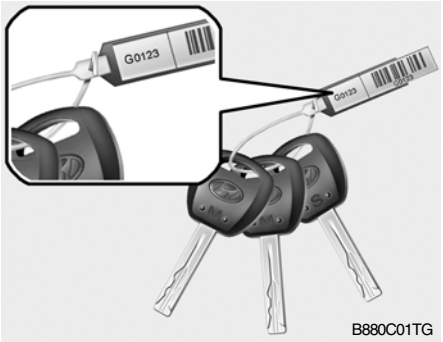
Key Numbers



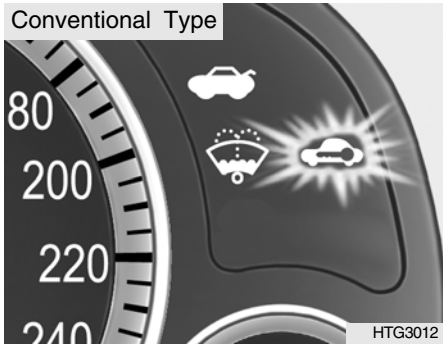
The vehicle key number is recorded upon a number tag attached to the keys when the vehicle is first delivered to you.
The key number should be recorded and kept in a safe place in case the need to order further keys arises. New keys are available from any Hyundai dealer by quoting the relevant key number.

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 and master key.

B880D01TG-GAT

Limp Home Procedures

Conventional Type



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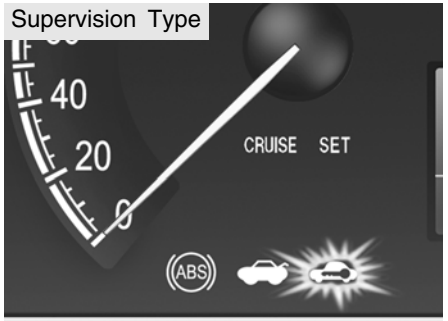
Supervision Type



B880D01TG

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 3 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.**

B030C01JM-AAT

ILLUMINATED IGNITION SWITCH

B030C01E

Whenever either front door is opened, the ignition switch will be illuminated for your convenience, provided the ignition switch is not in the "ON" position.

The light will go off approximately 10 seconds after closing the door or when the ignition switch is turned on.

B040A01NF-GAT

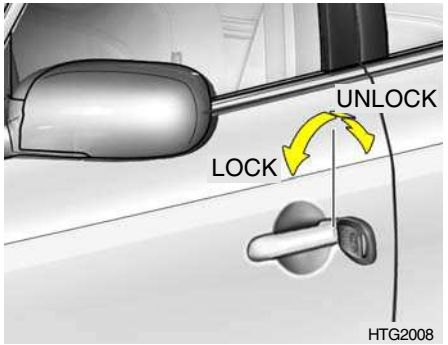
WARNING:

- **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 doors will not be opened accidentally. Also, when combined with the proper use of seat belts, locking the doors will 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).**
- **Do not lock the door using the key or the transmitter until all passengers have left the car because the door is not unlocked by the door lock switch when locking the door using the key or the transmitter (If Installed).**

Leaving children, helpless adults, or pets in an enclosed vehicle is dangerous. They can be overcome by the extreme heat and suffer permanent injuries or even death from heat stroke.

B040B01TG-AAT

Locking and Unlocking Front Doors With a Key

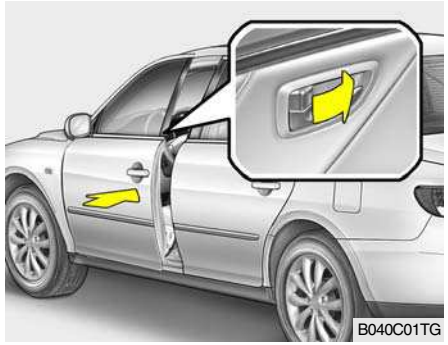


- o The door can be locked or unlocked with a key.
- o Lock the door by turning the key toward the front of the vehicle and unlock it by turning the key toward the rear.

WARNING:
Do not lock the door using the key or the transmitter until all passengers have left the car because the door is not unlocked by the door lock switch when locking the door using the key or the transmitter (If Installed). Leaving children, helpless adults, or pets in an enclosed vehicle is dangerous. They can be overcome by the extreme heat and suffer permanent injuries or even death from heat stroke.

B040C02Y-AAT

Locking from the Outside



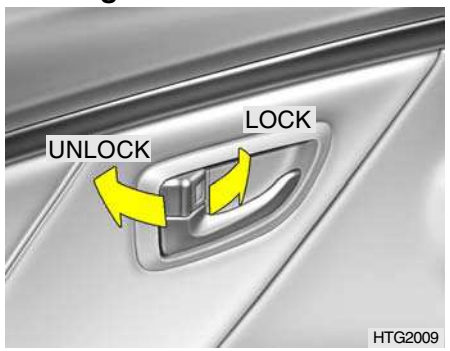
The doors can be locked without a key. To lock the doors from the outside, first push the inside lock switch to the "LOCK" position, so that the red mark on the switch is not visible, then close the door.
The door will not lock if the key is left in the ignition switch when the front doors are closed.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

NOTE:

- **When locking the door this way, be careful not to lock the door with the ignition key left in the vehicle.**
- **To discourage theft, always remove the ignition key, close all windows and lock all doors when leaving your vehicle unattended.**

B040D01NF-AAT

Locking from the Inside



To lock the doors from the inside, simply close the door and push the lock switch to the "LOCK" position.

NOTE:

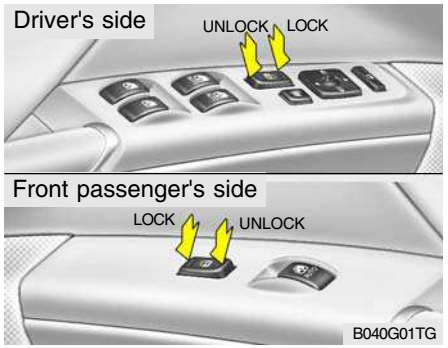
- **When the door is locked, the red mark on the switch is not visible.**
- **The driver's and front passenger's doors can be opened by pulling the inside door handle even if the inside lock switch is pushed to the "LOCK" position.**

WARNING:

Be careful not to pull the inside door handle while driving. If you pull the inside door handle, the door can be opened and you may be ejected from the vehicle and can be injured or killed.

B040G01NF-AAT

Central Door Locks



The central door locking switch is located on the driver's and front passenger's armrest. It is operated by depressing the door lock switch. If any door is open when the switch is depressed to the "LOCK" position, the door will remain locked when closed.

NOTE:

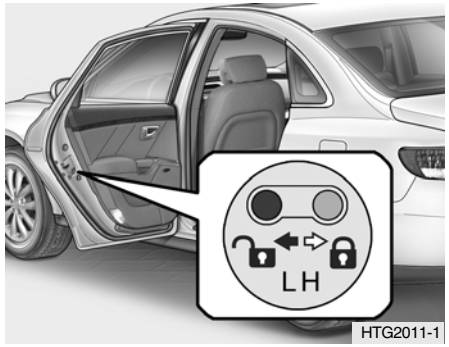
- **When pushing the front portion of the driver's or front passenger's door lock switch, all vehicle doors will lock.**
- **When pushing the rear portion of these switches, all vehicle doors will unlock.**
- **The driver's and front passenger's doors can be opened by pulling the inside door handle even if the front portion of the driver's or front passenger's central door locking switch has been depressed to lock the doors.**

WARNING:

Be careful not to pull the inside door handle while driving. If you pull the inside door handle, the door can be opened and you may be ejected from the vehicle and can be injured or killed.

B040E04A-AAT

Child-Protector Rear Door Lock



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

To engage the child-protector feature so that 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.

THEFT-ALARM SYSTEM

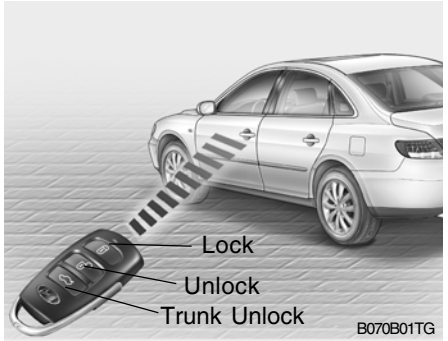
B070A01A-AAT

(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.

B070B01TG-AAT

Armed Stage



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

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

If the steps are completed as above, the security LED lamp on the passenger's crash pad will illuminate for about 30 seconds, and then the lamp will blink continuously when the system is entered into the armed stage. The turn signal lights will blink once to indicate that the system is armed.

NOTE:

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

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.

B070C01TG-GAT

Alarm Stage

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

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

The alarming horn will sound and the turn signal lights will blink continuously for 27 seconds. To turn off the system, unlock the door or trunk lid with the transmitter.

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

B070D01TG-GAT

Disarmed Stage

The system will be disarmed when the driver's or passenger's door is unlocked by depressing the "UNLOCK ( )" button on the transmitter.

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

NOTE:
Although the system is disarmed, the security LED lamp will blink continuously. Insert the key in the ignition key cylinder to turn off the lamp.

If any door, trunk lid or engine hood is not opened or the ignition key is not inserted in the ignition switch within 30 seconds, the system will be rearmed.

NOTE:
When the system is disarmed while the "DOOR" button of the interior light is depressed, 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;

1. **Unlock 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.**

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

B070F01NF-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 and the turn signal lights will blink once to indicate that the system is armed.

Unlocking doors

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

Releasing the trunk lid

Push the trunk lid release button ( ) on the transmitter for longer than 1 second.

B070E01NF-GAT

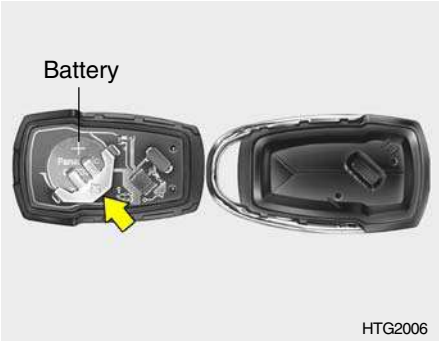
Replacing the battery

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

Battery type : CR2032

Replacement instructions:

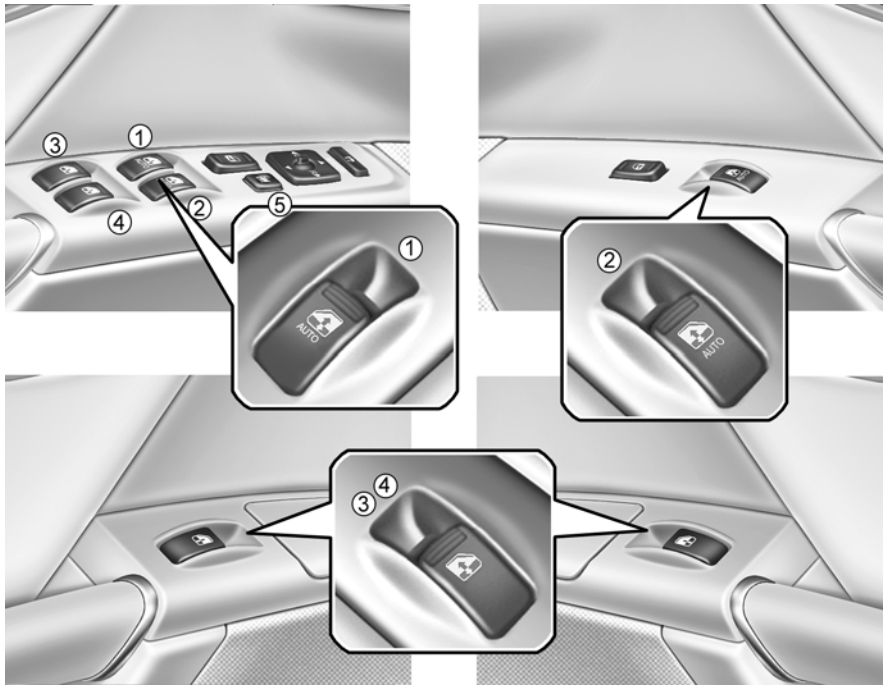
1. Separate the case with a coin as shown in the illustration.



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

WINDOWS

B060D01NF-GAT

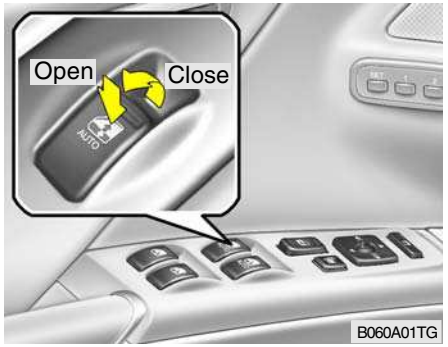


1. Driver's door power window switch
2. Front passenger's door power window switch
3. Rear passenger's door power window switch (left side)
4. Rear passenger's door power window switch (right side)
5. Window lock switch

B060D01TG

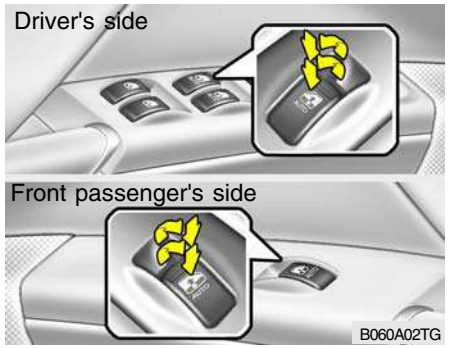
B060A01TG-GAT

POWER WINDOWS



The power windows operate when the ignition key is in the "ON" position. The main switches are located on the driver's armrest and control the front and rear windows on both sides of the vehicle. The windows may be opened by depressing the appropriate window switch and closed by pulling up the switch. To open the window on the driver's side, press the switch halfway down. The window moves as long as the switch is operated.

Front Auto Up/Down Windows



The auto up/down window is controlled by the window switch on the driver's and front passenger's armrest.
To fully open the window automatically, press the switch fully down. To fully close the window automatically, pull the switch fully up. In automatic operation, the window will fully open or close even if you let go of the switch. To stop the window at the desired position while the window is in operation, pull up or depress and release the switch to the opposite direction of the movement.

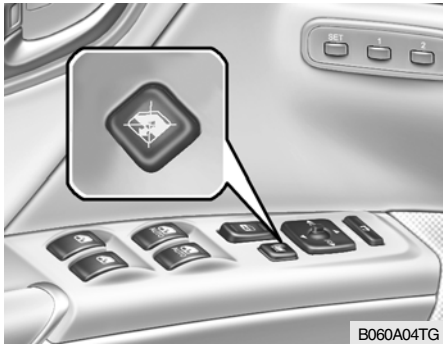
NOTE:

If the battery has been recharged or disconnected, the auto up/down window system must be reset as follows;

1. **Turn the ignition key to "ON" position.**
2. **Close each window and continue pulling up on each power window switch for at least 0.5 second after the window is completely closed.**

If the auto up/down window is not reset, it may not be operated properly.

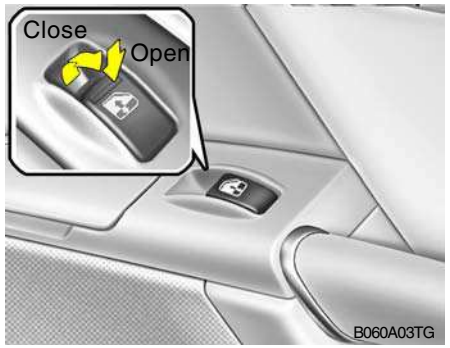
Window lock



In order to prevent operation of the passenger front and rear windows, a window lock switch 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 these 30 seconds period, the power windows can no longer be operated without the ignition key turned to the "ON" position.



B060C01TG-GAT

Front Safety Windows

If the upward movement of the window is blocked by an object or part of the body, the window will detect the resistance and will stop upward movement. The window will then lower approximately 30cm to allow the object to be cleared.

CAUTION:

- **The safety window will only operate when the automatic up window operation feature is used. Safety window will not operate if the window is raised using the halfway down position on the power window switch.**
- **If an object less than 4 mm in diameter is caught between the window glass and the upper window channel, the safety window may not detect the resistance and will not operate. Therefore, always check for any obstructions before raising any window.**

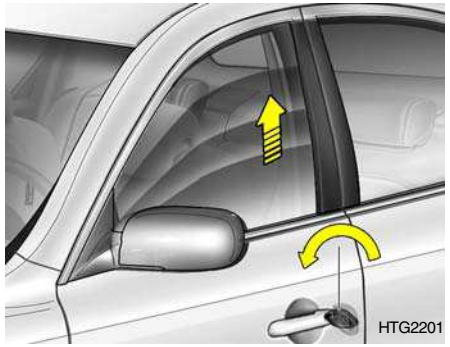
WARNING:

- **Be careful that someone's head, hands and body are not trapped by a closing window.**
- **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.**
- **Do not leave children alone in the car. Always remove the ignition key for their safety.**

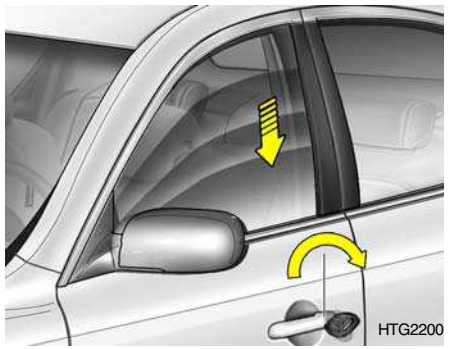
B060D01TG-GAT

Closing and Opening the Windows with a Key

The driver's and passenger's windows can be closed or opened with a key in the driver's door.



To close the windows, turn the key toward the front of the vehicle for 3 seconds.
If the key is turned toward the rear of the vehicle while closing the window, the window will stop upward movement.

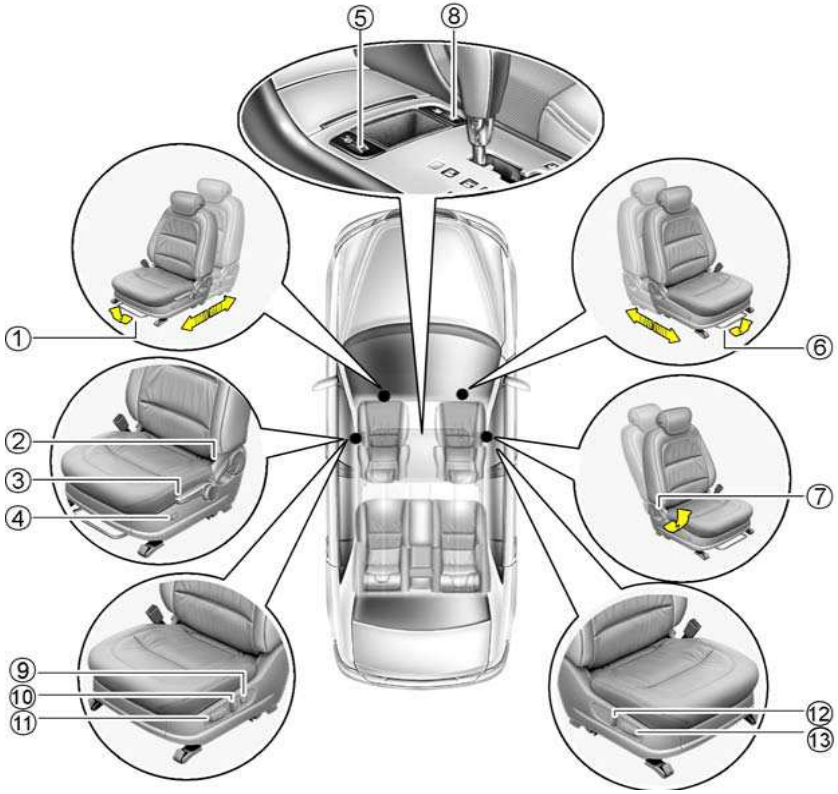


To open the windows, turn the key toward the rear of the vehicle for 3 seconds.
If the key is turned toward the front of the vehicle while opening the window, the window will stop downward movement.

WARNING:

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

B080A01TG-GAT



B080A01TG

Driver's seat

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

Front passenger's seat

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

Front power seats (If Installed)

9. Lumbar support control knob
10. Seatback recliner control knob
11. Seat forward/rearward lock release knob, Seat height control knob
12. Seatback recliner control knob
13. Seat forward/rearward lock release knob

SEATS

B080A01A-AAT

ADJUSTABLE FRONT SEATS

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

B080B02A-AAT

Adjusting Seat Forward and Rearward

HTG2033

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

HTG2034

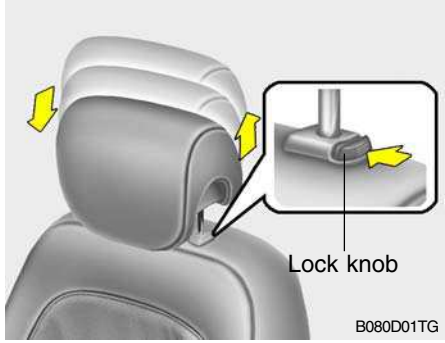
To recline the seatback, lean forward to take your weight off it, then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved.

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 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.

B080D02JM-AAT

Adjustable Headrests



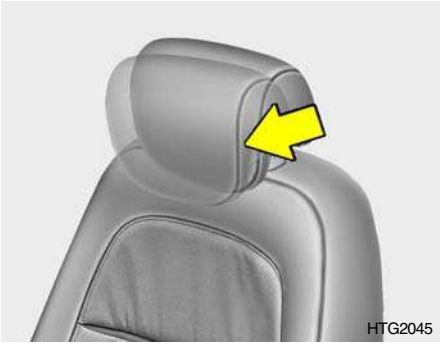
Headrests are designed to help reduce the risk of neck injuries.
To raise the headrest, pull it up. To lower it, push it down while pressing the lock knob. To remove the headrest, raise it as far as it can go then press the lock knob while pulling upward. This should only be done when the seat is not occupied.

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 as the top of the occupant's eyes. For this reason, the use of a cushion that holds the body away from the seatback should not be recommended.**
- **Do not operate vehicle with the headrests removed as injury to the occupants may occur in the event of an accident. Headrests may provide protection against**

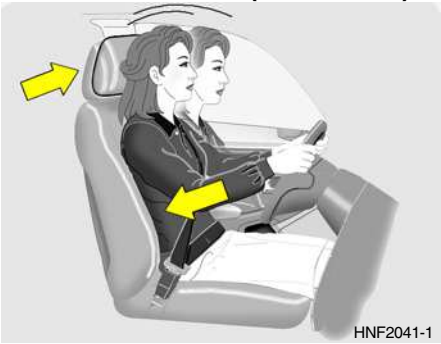
neck injuries when properly adjusted.
o Do not adjust the headrest height while the vehicle is in motion.

B081D01LZ-AAT
Tilting Headrest Forward and Rearward



The headrest may be tilted forward to three different positions by pulling the headrest forward. To adjust the headrest rearward, pull it fully forward to the farthest position and release it. Adjust the headrest so that it properly supports the head and neck.

B083D01NF-AAT
Active Headrests (If Installed)



The active headrest is designed to move forward and upward during a rear impact. This helps to prevent the driver's and front passenger's head from moving backward and thus helps prevent neck injuries.

B090E01TG-AAT
Lumbar Support Control (Driver's seat only)

To adjust the lumbar support, press the control switch on the outboard side of the seat cushion. To increase the amount of lumbar support, press the front portion of the switch. To decrease it, press the rear portion of the switch.

B080F01NF-GAT

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

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

B090A01TG-AAT

FRONT POWER SEATS (If Installed)

The front seats can be adjusted appropriately by using the control knob of the seat. Before driving, adjust the seat to the proper position so as to easily control the steering wheel, pedals and switches on the instrument panel.

CAUTION:
Do not operate two knobs at the same time.

WARNING:
- **Never attempt to adjust the seat while the vehicle is moving. This could result in loss of control, or an accident causing death, serious injury, or property damage.**
- **Do not sit or lean unnecessarily close to the airbag.**

B090B01NF-GAT

Adjusting Seat Forward and Rearward

Pull the control knob forward or backward to move the seat forward or backward to the desired position. Release the control knob and the seat will remain at that position.

B090D01NF-GAT

Adjusting Seatback Angle

Pull the upper portion of the control knob forward or backward to recline the seatback to the desired position. Release the control knob and the seatback will remain in that position.

WARNING:

To minimize the risk of personal injury in the event of a collision or a sudden stop, both the driver's and passenger's seatback should remain in an upright position while the car is in motion. The protection provided by the seat belts and airbags may be reduced significantly when the seatbacks are reclined. There is a greater risk that the seat occupants will slide under the belt resulting 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.

B090C01Y-AAT

Seat Cushion Height Adjustment (Driver's seat only)

Move the front portion of the control knob up or down to raise or lower the front part of the seat cushion. Move the rear portion of the control knob up or down to raise or lower the rear part of the seat cushion.

B090E01TG-AAT

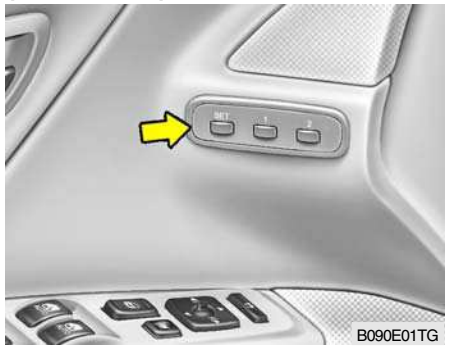
Lumbar Support Control (Driver's seat only)

To adjust the lumbar support, press the control switch the outboard side of the seat cushion. To increase the amount of lumbar support, press the front portion of the switch. To decrease it, press the rear portion of the switch.

I.M.S (INTEGRATED MEMORY SYSTEM)

B090E01TG-GAT

(If Installed)



The Integrated Memory System controls are located on the driver's door trim. After adjusting the position of the driver's seat and steering wheel column (with electric tilt and telescopic type), use the I.M.S to memorize them. Two different driving position profiles can be entered in the I.M.S. If you turn the ignition key to the "ON" position, the memorized position is adjusted automatically.

NOTE:

- **If the battery has been recharged or disconnected, the driving position memory will be lost.**
- **The buzzer sounds 10 times if there is a malfunction of the intergrated memory system. Have the I.M.S checked by an authorized Hyundai dealer.**

I.M.S control switch

It is located on the driver's door trim and will function as follows;

SET: When the button is pressed, the system will memorize the position with a beep sound.

1,2 : It indicates that the system can memorize positions up to 2 occupants.

To memorize driving position

1. Place the shift lever into "P" while the ignition switch is ON.
2. Adjust the driver's seat and steering wheel column (with electric tilt and telescopic type) to the desired position.
3. Push the "SET" button on the I.M.S until the signal beeps.
4. Within five seconds, push button "1" or "2" until the signal beeps twice. The beep sounds mean that the positions are memorized in the I.M.S.

CAUTION:
In the following conditions, the I.M.S will not memorize.

1. **When the "1" or "2" button is not pushed within five seconds.**
2. **When the seat is being adjusted.**
3. **When the key is not in the "ON" position.**
4. **When the shift lever is positioned in other than "P" position.**

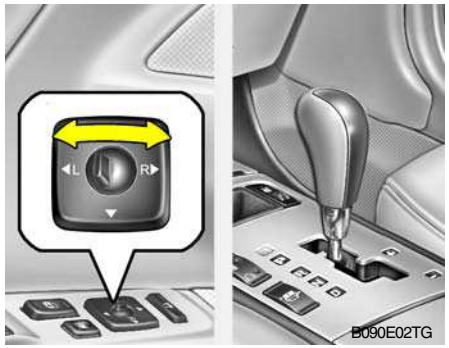
To activate the memorized position

1. Place the shift lever into "P" while the ignition switch is ON.
2. When you push button "1" or "2", the driving position will be automatically adjusted to the position recorded for that button.

CAUTION:
In the following conditions, the I.M.S will not activate.

1. **When the key is in the "OFF" position.**
2. **When the vehicle is running above 3 km/h.**
3. **When the seat is being adjusted.**
4. **When the shift lever is positioned in other than "P" position.**

Reverse Parking Aid Function



While the vehicle is moving backward, the outside rearview mirror(s) will move downward to aid reverse parking safely. According to the position of the outside rearview mirror switch knob, the outside rearview mirror(s) will operate as follows.

L : When the remote control outside rearview mirror switch knob is selected to the "L" position, both ofthe outside rearview mirrors will move downward.

R : When the remote control outside rearview mirror switch knob is selected to the "R" position, only the passenger's outside rearview mirror will move downward.

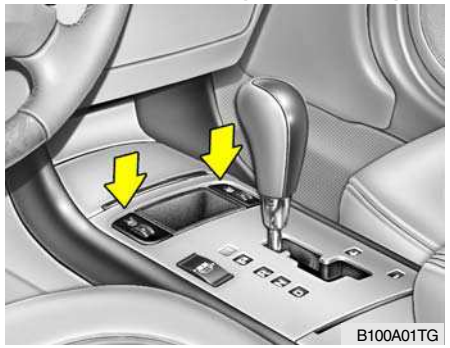
Neutral : When the remote control outside rearview mirror switch knob is placed in the middle position, the outside rearview mirrors will not operate while the vehicle is moving backward.

NOTE:

When the ignition key is in the "LOCK" position, the shift lever is moved to any position except "R" position, or the remote control outside rearview mirror switch knob is placed in the middle position, the outside rearview mirrors will automatically revert to original position.

B100A01TG-GAT

SEAT WARMER (If Installed)



The front seats can be electrically heated individually when the ignition switch is ON. When the switch is ON, a number ranging from 1 to 5 is displayed on the switch (5 = warmest setting).
To turn off the seat warmer, set the switch to 0.

NOTE:

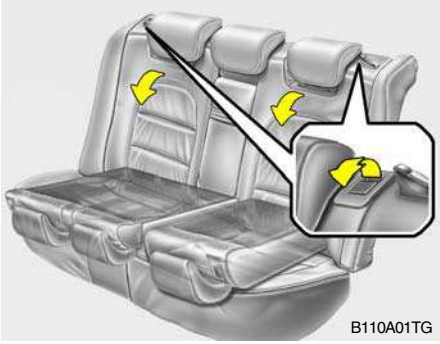
- **The seat warmer may not operate if ambient temperature is warm enough.**
- **If the seat warmer doesn't work when the ambient temperature is lower than 24°C, it must be checked at an authorized dealer.**

WARNING:

Be very careful not to injure by low temperature burn or an attack of fever as following occupants; infants, children, old man, drunken man, people who is taken sleeping drug or cold remedy.

B110A01NF-GAT

REAR SEAT FOLDING REAR SEATBACKS



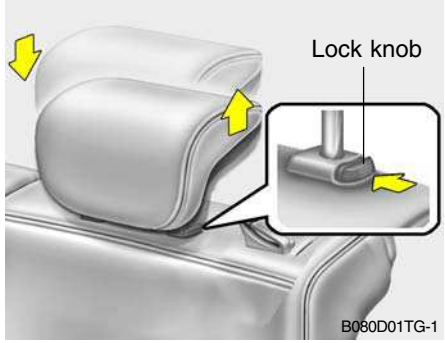
- To unlock the seatback, pull the seatback release lever, then pull forward on the seatback panel.
- When you return the seatback to its upright position, always be sure it has locked into position by pulling and pushing on the top of the seatback.

WARNING:

The purpose of the folding rear seatbacks is to allow you to carry longer objects than could otherwise be accommodated. Do not allow passengers to sit on top of the folded down seatback, 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.

B085D01TG-AAT

Adjustable Headrests



Headrests are designed to help reduce the risk of neck injuries.

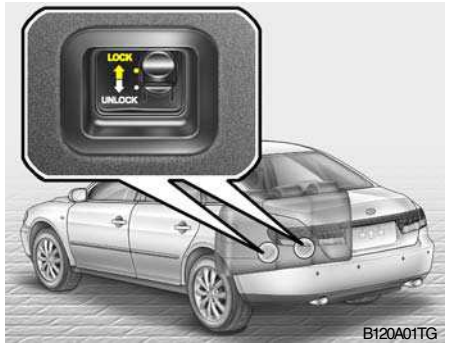
To raise the headrest, pull it up. To lower it, push it down while pressing the lock knob. To remove the headrest, raise it as far as it can go then press the lock knob while pulling upward. This should only be done when the seat is not occupied.

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 as the top of the occupant's eyes. For this reason, the use of a cushion that holds the body away from the seatback should not be recommended.**
- **Do not operate vehicle with the headrests removed as injury to the occupants may occur in the event of an accident. Headrests may provide protection against neck injuries when properly adjusted.**

B120A01NF-GAT

REAR SEATBACK SAFETY LOCK (If Installed)



If the rear seatback lock knob (located on the backside of the rear seatback) is in the "LOCK" position when the rear seatbacks are closed, it will not be possible to fold the rear seatback by using the seatback release lever. In this instance, move the lock knob to the "UNLOCK" position and fold the rear seatback. The rear seatback lock knob is designed to provide protection from unauthorized entry into the trunk.

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, the following recommendations are made:

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.

B150D01A-AAT
Pregnant Women

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

B150E01A-AAT
Injured Person

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

B150F01A-AAT
One Person Per Belt

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

B150G01A-AAT
Do Not Lie Down

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

WARNING:
Sitting in a reclined position or lying down when your vehicle is in motion can be dangerous. Even if you buckle up, your seat belts can't do their job when you're reclined. The shoulder belt can't do its job because it won't be against your body. Instead, it will be in front of you. In a crash you could go into it with great force, receiving serious neck or other injuries. The lap belt can't do its job either. In a crash the belt could go up over your abdomen. The belt forces would be applied there, not at your pelvic bones. This could cause serious internal injuries. For proper protection when the vehicle is in motion, have the seatback upright. Then sit well back in the seat and wear your seat belt properly. See page 1-33.

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

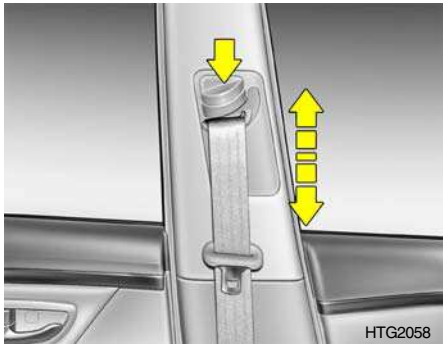
Seat belts should be kept clean and dry. If belts become dirty, they can be cleaned by using a mild soap solution and warm water. Bleach, dye, strong detergents or abrasives should not be used because they may damage and weaken the fabric.

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.

B170A04A-GAT

HEIGHT ADJUSTABLE FRONT SEAT SHOULDER BELT



You can adjust the height of the shoulder belt anchor to one of 4 positions for maximum comfort and safety.
If the height of the adjusting seat belt is too near your neck, you will not be getting the most effective protection. The shoulder portion should be adjusted so that it lies across your chest and midway over your shoulder nearest the door and not your neck.
To adjust the height of the seat belt anchor, lower or raise the height adjuster into an appropriate position.

To raise the height adjuster, pull it up. To lower it, push it down while pressing the height adjuster button.
Release the button to lock the anchor into position. Try sliding the height adjuster to make sure that it has locked into position.

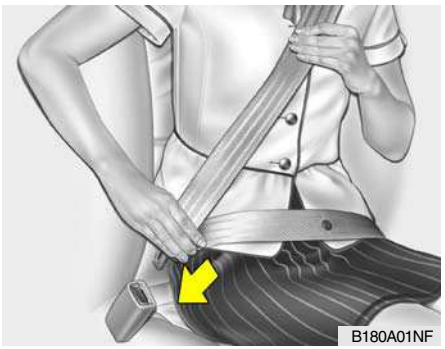
WARNING:

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

B180A01TG-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 and front passenger to fasten the seat belt as follows.

B260E01TG-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".

NOTE:
You can find the front passenger's seat belt warning light on the center fascia panel.

B265E01TG-GAT

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

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

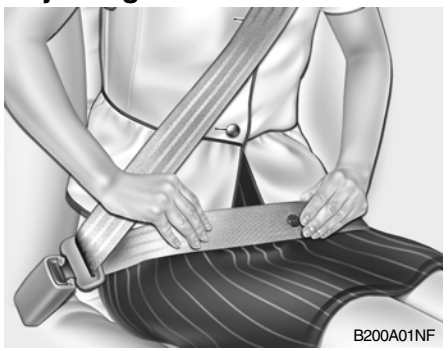
User (Driver+Front Passenger) Condition		Sat Belt WarningLight
Seat Belt	Ignition Switch	
Unbuckled	ON	Stay on until buckled up
Buckled	ON	Come on for 6 seconds
Unbuckled	ON *1	Blink until buckled up
Buckled → Unbuckled	ON	Blink until buckled up*2

*1) When the ignition key is turned from "OFF" position to "ON" within 1 minute.
*2) 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:
- **You can find the front passenger's seat belt warning light on the center fascia panel.**
- **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.**
- **Although the front passenger seat is not occupied, the seat belt warning light will illuminate for 6 seconds.**
- **The seat belt warning light can be operated when luggage is placed on the front passenger seat.**

B200A01S-GAT

Adjusting Your Seat Belt

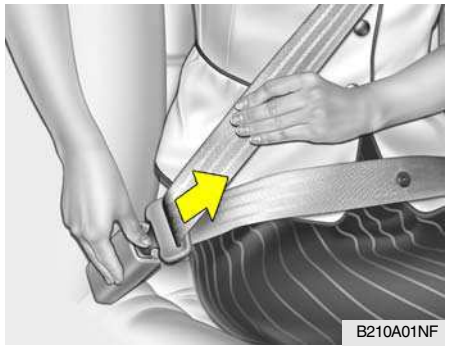


You should place the belt as low as possible on your hips, not on your waist. If the belt is located too high on your body, you could slide under it in case of accident or a sudden stop. This could result of death, serious injury or property damage. Both arms should not be under or over the belt. Rather, 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



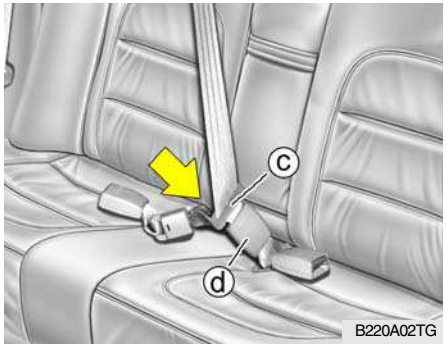
The seat belt is released by pressing the release button in the locking buckle. When it is released, the belt should automatically draw back into the retractor.

If this does not happen, check the belt to be sure it is not twisted, then try again.

B220A01NF-GAT

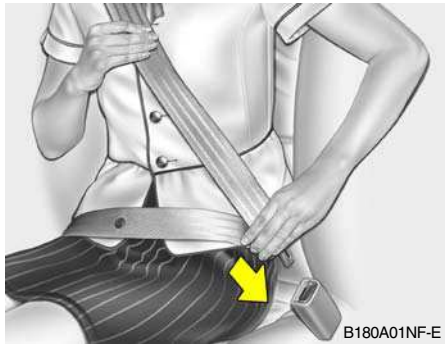
SEAT BELTS - Rear Seat Center 3-Point System with Emergency Locking Retractor

1. Pull the seat belt out of the rear seat package tray.
2. Before fastening the rear seat center belt, confirm the metal tab (a) and buckle (b) are latched together.



3. 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).

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.

- **Lock the metal tab (a) and the buckle (b) immediately after folding rear seatbacks up.**

- **To disconnect the metal tab (a) from the buckle (b), insert a narrow-ended tool into the groove located on the buckle (b).**

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.

B230A03A-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). 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 seat and seat belts, and fits your child. Follow all the instructions provided by the manufacturer when installing the child restraint system.

WARNING:

- **A child restraint system must be placed in the rear seat. Never install a child or infant seat on the front passenger's seat.
  Should an accident occur and cause the passenger's front 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.**
- **A safety belt or child restraint system can become very hot if it is left in a closed vehicle on a sunny day, even if the outside temperature does not feel hot. 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 toward the seat belt buckle 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 restraint seat is not anchored properly, the risk of a child being seriously injured or killed in a collision greatly increases.**

B230F01A-GAT

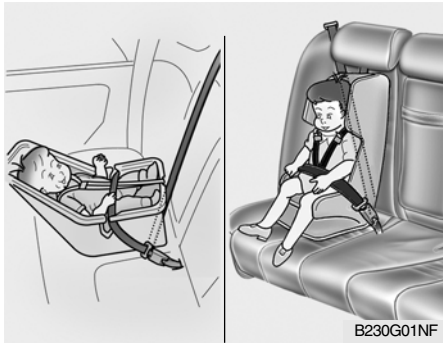
Installation on Center Rear Seats

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.

B230G01JM-GAT

Installation on the Outboard Rear Seats



To install a child restraint system on the outboard rear seats, extend the shoulder/lap belt from its retractor. 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. When you unbuckle the seat belt and allow it to retract, the retractor will automatically revert back to its normal seated passenger emergency locking usage condition.

NOTE:

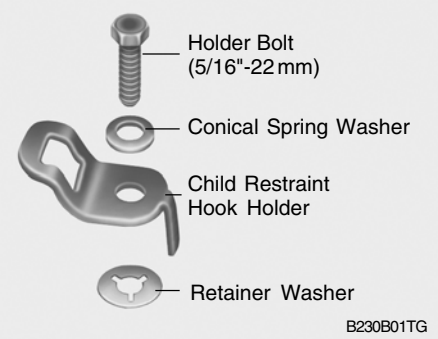
- **Before installing the child restraint system, read the instructions supplied by the child restraint system manufacturer.**
- **If the seat belt does not operate as described, have the system checked immediately by your authorized Hyundai dealer.**

WARNING:

- **Do not install any child restraint system in the front passenger seat. Should an accident occur and cause the passenger's front 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 Child Restraint System to vehicles fitted with Curtain Airbags, always refer to safety notices for Curtain Airbag systems on this manual. Whenever installing child restraints, use only approved devices and refer to "Child Restraint System" to ensure correct installation and occupant protection is maximized.**

B230B02A-AAT

Using a Child Restraint System With "Tether Anchorage" System



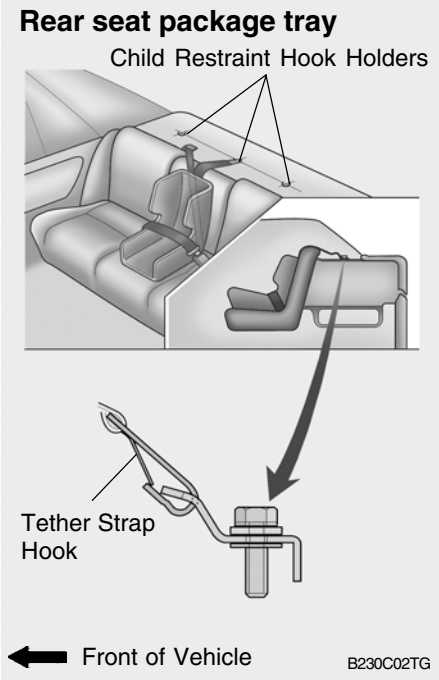
For small children and babies, the use of a child seat or infant seat is strongly recommended and may be required in your state. This child seat or infant seat should be of appropriate size for the child and should be installed in accordance with the manufacturer's instructions. It is further recommended 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 on the rear seat package tray for installing the child seat or infant seat.

B230C03A-GAT

Securing a Child Restraint System with "Tether Anchorage" System

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.

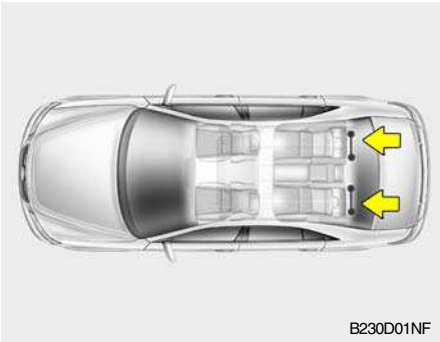


2. Route the child restraint seat strap over the seatback.
   For vehicles with adjustable headrests, route the tether strap under the headrest and between the headrest posts, otherwise route the tether strap over the top of the seatback.

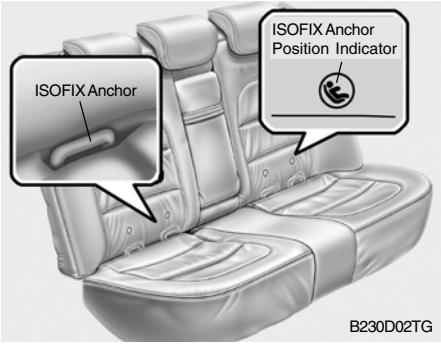
3. Connect the tether strap hook to the child restraint hook holder and tighten to secure the seat.

B230D01TG-GAT

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



ISOFIX is a standardized 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.

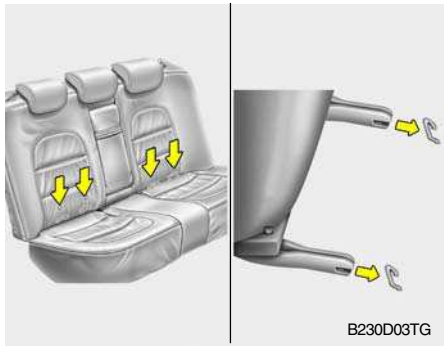


On each side of the rear seat, between the cushion and backrest, are located a pair of ISOFIX anchorage points together with a top tether mounting on the rear seat package tray. During the installing, the seat has to be engaged at the anchorage-points in a way you can hear it clicking (check by pulling!) and has to be fixed with the TopTether-belt on the belonging point of the rear seat package tray. 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.

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 Tether Anchorage System" on page 1-40.

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 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 single tether or 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 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.**

B230H01JM-GAT

Child Seat Restraint Suitability For Seat Position

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)	X	L1, L2, L3, L4	X
0+ : Up to 13 kg (0 ~ 2 years)	X	L1, L2, L3, L4	X
I : 9kg to 18kg (9 months ~ 4 years)	X	L3, L5, L6, L7, L8	X
II & III : 15kg to 36kg (4 ~ 12 years)	X	L6, L9	X

L1 : Suitable for Bebe confort 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 confort iSEOS (E2 039014) approved for the use in this mass group

NOTE:
Use it after adjusting the headrest to the lowest level.

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 03301128/E1 03301129) approved for the use in this mass group
L7 : Suitable for BeSafe iZi COMFORT (E4 03443206) approved for this use in this mass group

NOTE:
Use it after removing the headrest or adjusting the headrest to the lowest level.

L8 : Suitable for MAXI-COSI Priori XP (E1 03301153) approved for the use in this mass group
L9 : Suitable for Bebe confort HiPSOS (E2 031011) approved for this use in this mass group

NOTE:
Use it after removing the headrest.

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

B180B01NF-GAT

Pre-tensioner Seat Belt (If Installed)

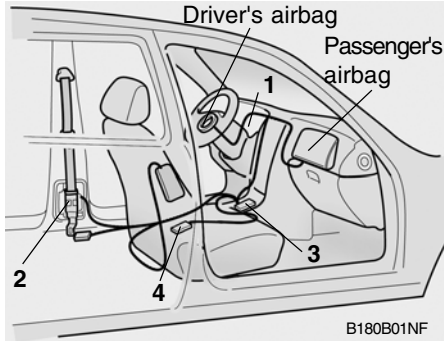
Your Hyundai vehicle is equipped with driver's and front passenger's pre-tensioner seat belts. The purpose of the pre-tensioner is to make sure that the seat belt fits tightly against the occupant's body in certain frontal collisions.
The pre-tensioner seat belts can be activated with the airbags.

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 buckle pre-tensioner (which is installed in the buckle) will also pull the seat belt into the buckle.

CAUTION:
Do not put anything near the buckle. Placing objects near the buckle can adversely affect the buckle pre-tensioner and may increase the risk of personal injury in the event of a collision.

If the system senses excessive seat belt tension on the driver or passenger's seat belt when the pre-tensioner activates, the load limiter inside the pre-tensioner will release some of the pressure on the affected seat belt.



The seat belt pre-tensioner system consists mainly of the following components, whose locations are shown in the illustration:

1. SRS airbag warning light
2. Retractor pre-tensioner assembly
3. SRS control module
4. Buckle pre-tensioner assembly

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.**
- **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 all exposed skin areas thoroughly after an accident in which the pre-tensioner seat belts were activated.**

CAUTION:

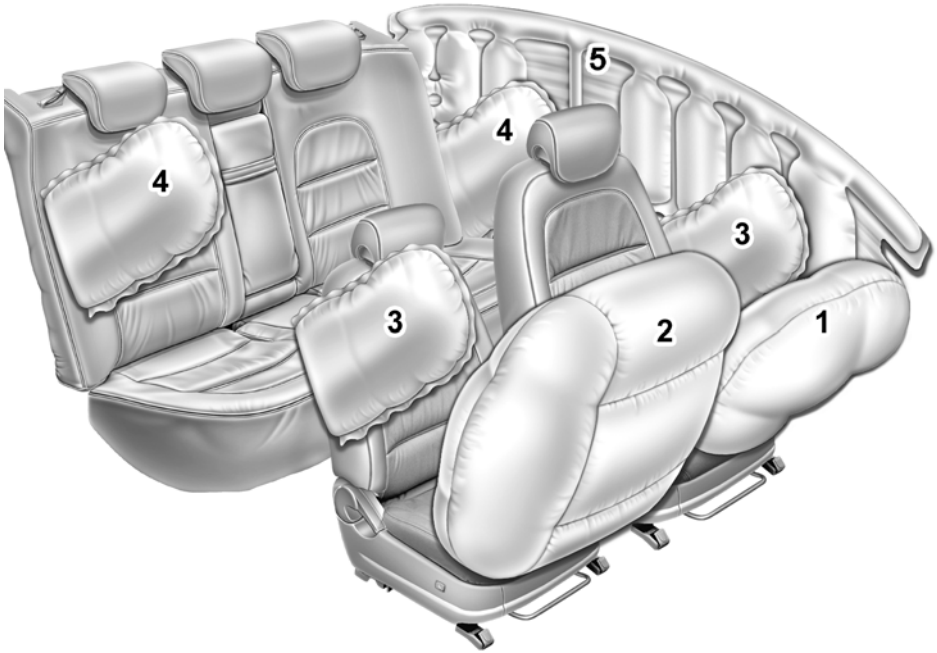
- Because the sensor that activates the SRS airbag is connected with pre-tensioner seat belt, the SRS airbag warning light AIR BAG on the instrument panel will illuminate for approximately 6 seconds after the ignition key has been turned to the "ON" position, and then it should turn off.
- If pre-tensioner 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 not to 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 the seat belts when driving or riding in a motor vehicle.

B240D01TG-GAT

(If Installed)



B240D01TG

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

B240A01NF-GAT

Driver's and Passenger's Front Airbag

Driver's Front Airbag

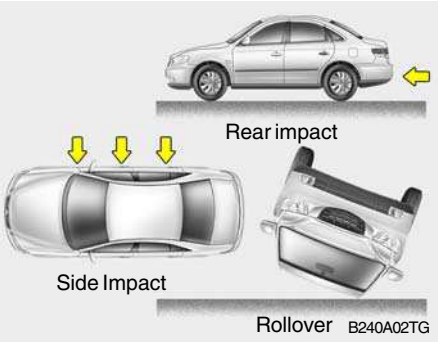
Your Hyundai is equipped with a Supplemental Restraint (Airbag) System. The indications of the system's presence are the letters "SRS AIR BAG" embossed on the airbag pad cover in the steering wheel and the front passenger's panel pad above the glove box.

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 seatbelt 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 backside of the sun visor and in the glove box.

WARNING:

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

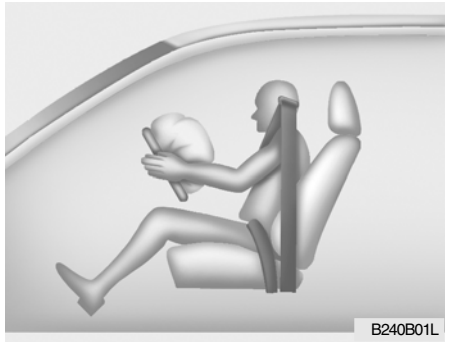
- The driver should sit back as far as possible while still maintaining control of the vehicle. If you are sitting too close to the airbag, it can cause death or serious injury when it inflates.
- No objects should be placed over or near the airbag modules on the steering wheel, instrument panel, and 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 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.

B240B01NF-GAT

SRS Components and Functions



The SRS consists of the following components:

- Driver's Front Airbag Module
- Passenger's Front Airbag Module
- Knee bolster
- 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:

- **Do not install or place any accessories (drink holder, cassette holder, sticker, etc.) on the front passenger's panel above the glove box in a vehicle with a passenger's front airbag. Such objects may become dangerous projectiles and cause injury if the passenger's front airbag inflates.**
- **When installing a container of liquid air freshener inside a 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.**

Passenger's Front Airbag

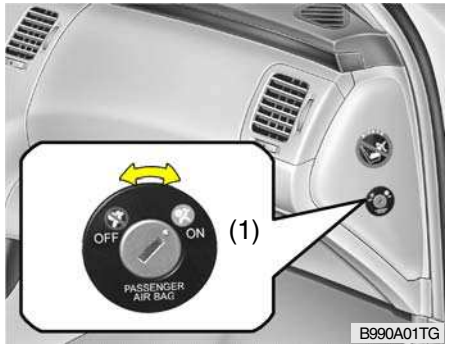
WARNING:

- **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 all exposed skin areas 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 he engine is started.
  (3) The SRS SRI illuminates while driving.
  If this occurs, have your vehicle immediately inspected by your Hyundai dealer.

o 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.

B990A01TG-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.

To deactivate or reactivate the passenger's front airbag

To deactivate the passenger's front airbag, insert the master 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 master 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.

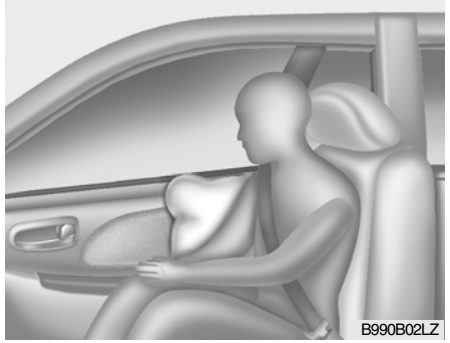
WARNING:

- 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.

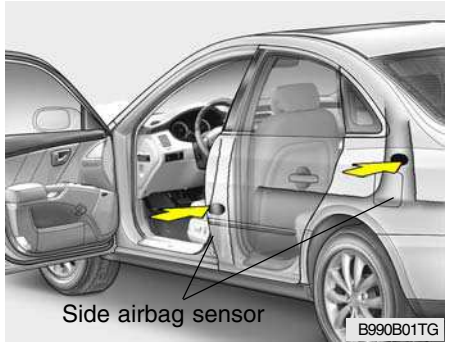
- **Even though your vehicle is equipped with the passenger's airbag ON/OFF switch, do not install a child restraint system in the front passenger's seat. A child restraint system must never be placed in the front seat. Children who are too large for child restraint systems should always occupy the rear 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.**

B990B01TG-GAT

Side Impact Airbag (If Installed)



Your Hyundai is equipped with a side impact airbag in each seat. The purpose of the airbag is to provide the vehicle's driver and passengers 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, collisions from the front or rear of the vehicle or in most rollover situations.



Important Safety Notes on the Side Impact Airbag system

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

WARNING:

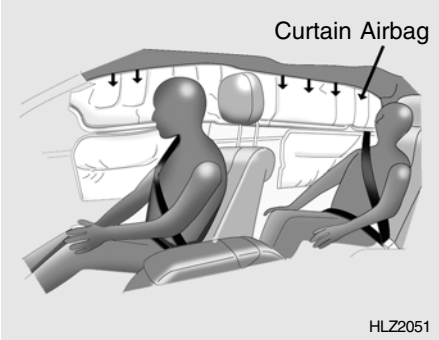
- **The side impact airbag is supplemental to the driver's and the passenger's seat belt systems and is not a substitute for them. Therefore your seat belts must be worn at all times while the vehicle is in motion.**

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 airbag system and to avoid being injured by the deploying side impact airbag, each 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 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 air bag inflates.**
- **To prevent unexpected deployment of the side impact air bag that may result in personal injury, avoid impact to the side airbag sensor when the ignition key is on.**

B990C01JM-GAT

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 is 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" to ensure correct installation and 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 child on the head, 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.**
- **Where sun blinds are fitted 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 always 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.

B240C01HP

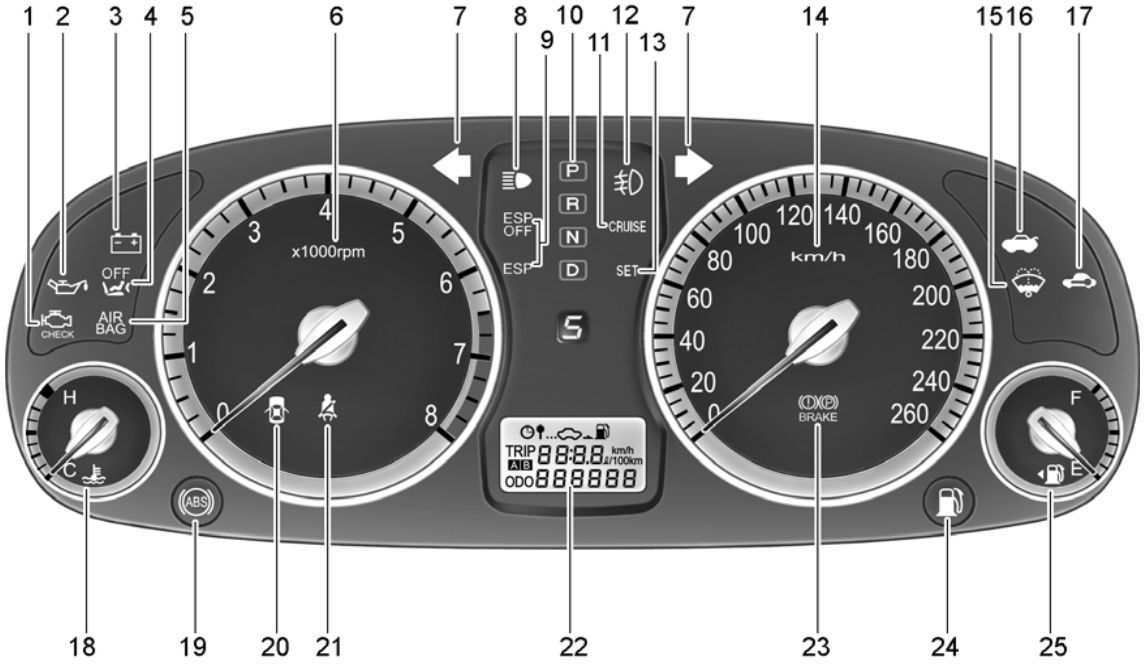
WARNING:

- **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 water on flooring, you shouldn't try to start the engine; have the car towed to an authorized Hyundai dealer.

B260A01TG-GAT

Conventional Type

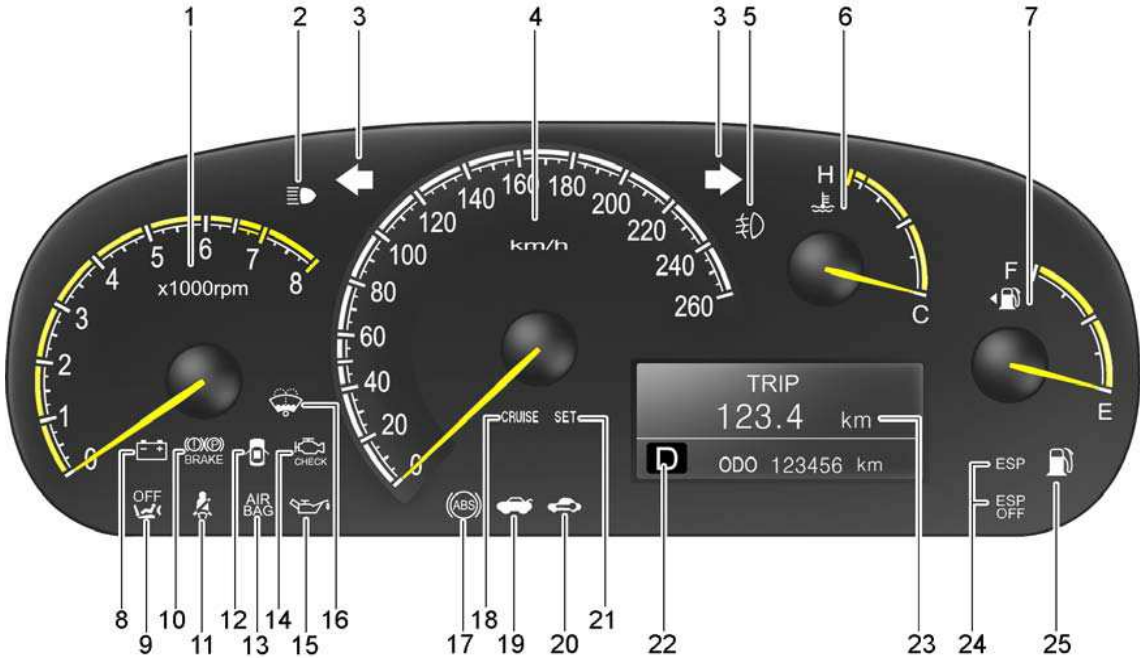


B260A01TG

1. Malfunction Indicator Light (MIL)
2. Low Oil Pressure Warning Light
3. Charging System Warning Light
4. Passenger's Front Airbag OFF Indicator Light (If Installed)
5. SRS (Airbag) Service Reminder Indicator (SRI)
6. Tachometer
7. Turn Signal Indicator Lights
8. High Beam Indicator Light
9. Electronic Stability Program (ESP) Indicator Light (If Installed)
10. Automatic Transaxle Position Indicator Light
11. CRUISE Indicator Light (If Installed)
12. Front Fog Indicator Light
13. Cruise SET Indicator Light (If Installed)
14. Speedometer
15. Low Windshield Washer Fluid Level Warning Light
16. Trunk Lid Open Warning Light
17. Immobilizer Warning Light (If Installed)
18. Coolant Temperature Gauge
19. ABS Service Reminder Indicator (SRI)
20. Door Ajar Warning Light
21. Seat Belt Warning Light (Driver's Side)
22. Odometer/ Trip Computer
23. Parking Brake/Low Brake Fluid Level Warning Light
24. Low Fuel Warning Light
25. Fuel Gauge

B260B01TG-GAT

Supervision Type



B260B01TG

1. Tachometer
2. High Beam Indicator Light
3. Turn Signal Indicator Lights
4. Speedometer
5. Front Fog Indicator Light
6. Coolant Temperature Gauge
7. Fuel Gauge
8. Charging System Warning Light
9. Passenger's Front Airbag OFF Indicator Light (If Installed)
10. Parking Brake/Low Brake Fluid Level Warning Light
11. Seat Belt Warning Light (Driver's Side)
12. Door Ajar Warning Light
13. SRS (Airbag) Service Reminder Indicator (SRI)
14. Malfunction Indicator Light (MIL)
15. Low Oil Pressure Warning Light
16. Low Windshield Washer Fluid Level Warning Light
17. ABS Service Reminder Indicator (SRI)
18. CRUISE Indicator Light (If Installed)
19. Trunk Lid Open Warning Light
20. Immobilizer Warning Light (If Installed)
21. Cruise SET Indicator Light (If Installed)
22. Automatic Transaxle Position Indicator Light
23. Odometer/Trip Computer/Warning Text
24. Electronic Stability Program (ESP) Indicator Light (If Installed)
25. Low Fuel Warning Light

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.

B260G01TG-AAT

Low Oil Pressure Warning Light

CAUTION:

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

B260G01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260H02A-GAT

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/low 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.

B260J01TG-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.

B260J01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display.
The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260L01TG-GAT

Door Ajar Warning Light

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

B260L01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260K01TG-AAT

Trunk Lid Open Warning Light

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

B260K01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260M01TG-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.

B260M01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260S01TG-GAT

Low Windshield Washer Fluid Level Warning Light

The low windshield washer fluid warning light comes on when the washer fluid reservoir is approaching empty. When it comes on, add washer fluid at your earliest opportunity.

B260S01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260E01TG-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".

NOTE:

You can find the front passenger's seat belt warning light on the center fascia panel.

B265E01TG-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+Front Passenger) Condition		Sat 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	ON	Blink until buckled up*2

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

*2) 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:

- **You can find the front passenger's seat belt warning light on the center fascia panel.**
- **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.**
- **Although the front passenger seat is not occupied, the seat belt warning light will illuminate for 6 seconds.**
- **The seat belt warning light can be operated when luggage is placed on the front passenger seat.**

B260A01Y-GAT

Front Fog Indicator Light

This fog indicator light comes on when the ignition key is turned to the "ON" position and the front fog light switch is on.

B260N01TG-AAT

Malfunction Indicator Light (MIL)

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.

B260N01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B260B01JM-AAT

SRS (Airbag) Service Reminder Indicator (SRI)

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.

B260P01TG-GAT

ABS Service Reminder Indicator (SRI)

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 the both ABS SRI and Parking Brake/Low 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.

B260P01TG

If your vehicle is equipped with the supervision type cluster, the warning text is double informed on the dot matrix display. The warning text comes on for about 20 seconds. If you push the RESET button behind the steering wheel, the warning text will go out.

B265C01NF-GAT

ESP ESP OFF 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.

B260Q01NF-GAT

CRUISE CRUISE Indicator Light (If Installed)

The cruise indicator light in the instrument cluster is illuminated when the cruise control ON/OFF switch on the steering wheel is pushed.
The indicator light does not illuminate when the cruise control ON/OFF switch is pushed again. Information about the use of cruise control begins on page 1-109.

B260R01NF-GAT

SET Cruise SET Indicator Light (If Installed)

The Cruise SET indicator light in the instrument cluster is illuminated when the cruise control "COAST/SET" or "RES/ACCEL" switch is pushed. The Cruise SET indicator light does not illuminate when the cruise control "CANCEL" switch is pushed or the system is disengaged. To disengage the cruise control system, refer to "To cancel the cruise speed" on page 1-110.

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 1-8) or consult to the Hyundai dealer.

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.

B280A01TG-GAT

FUEL GAUGE

Conventional Type

Supervision Type

B280A01TG

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

NOTE:

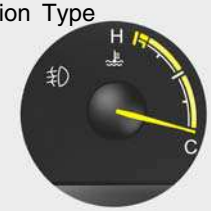
The " ⛽ " symbol means the fuel filler lid is placed on the left side of the vehicle.

B290A03A-AAT

ENGINE COOLANT TEMPERATURE GAUGE

Conventional Type

Supervision Type



B290A01TG

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

The needle on the engine coolant temperature gauge should stay in the normal range. If it moves across the dial to "H" (Hot), pull over and stop as soon as possible and turn off the engine. Then open the hood and 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.

B300A01A-GAT

SPEEDOMETER

Conventional Type

B300A01TG

Supervision Type

B300A02TG

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

B330A01L-AAT

TACHOMETER

Conventional Type

B330A01TG

Supervision Type

B330A02TG

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

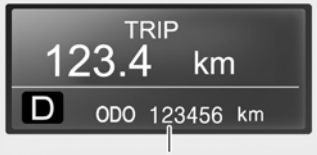
CAUTION:
The engine should not be raced to such a speed that the needle enters the red zone on the tachometer face. This can cause severe engine damage and may void your warranty.

B310A01B-GAT

ODOMETER

Conventional Type

Supervision Type



B310A01TG

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.

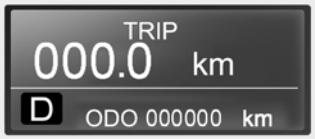
NOTE:
Any alteration of the odometer may void your warranty coverage.

TRIP COMPUTER

B400B01TG-GAT

Conventional Type

Supervision Type



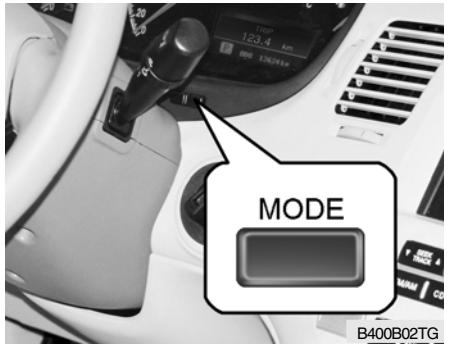
B400B01TG

Trip computer is a microcomputer-controlled driver information gauge that displays information related to driving, such as estimated tripmeter, distance to empty, average speed, drive time and average fuel consumption on the LCD.

NOTE:

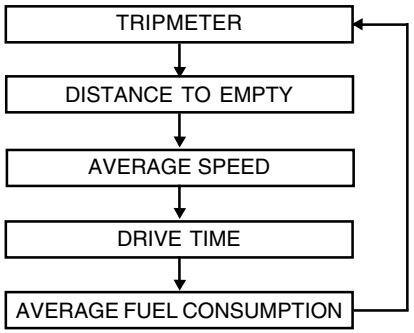
- **If your vehicle is equipped with the conventional type cluster, the unit is displayed only in the average speed and the average fuel consumption.**
- **Each unit can be displayed by the unit "MILE" according to region.**

MODE SWITCH

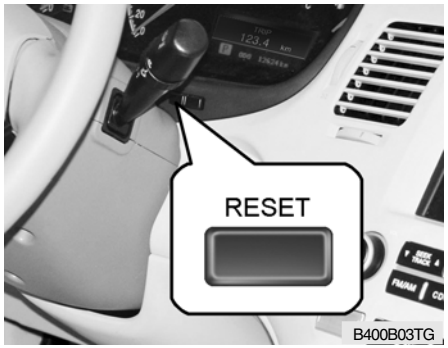


B400B02TG

Pushing in the MODE switch when the ignition switch is in "ON" position changes the display as follows;



RESET SWITCH

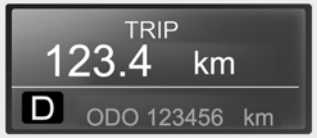


Push in the RESET switch more than 1 second to initialize the displayed information such as tripmeter, average speed, drive time and average fuel consumption.

1. Tripmeter

Conventional Type

Supervision Type



B400B04TG

- 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 RESET 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 km (999.9 miles).

Conventional Type

B400B05TG

To shift from TRIP A to TRIP B, press the TRIP switch.

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.

2. Distance to Empty

Conventional Type

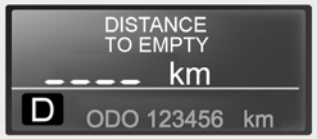
Supervision Type

B400B06TG

- 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 battery has been reinstalled after being discharged or disconnected, drive more than 64km (40 miles) for an accurate distance to empty.

Conventional Type

Supervision Type



B400B07TG

- 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.**

3. Average Speed

Conventional Type

Supervision Type

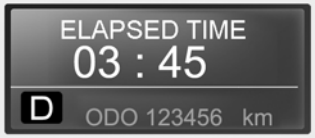
B400B08TG

- This mode indicates the average speed from the starting of the engine to the ignition key "OFF".
- Average speed is reset to zero if the battery is disconnected.
- To reset the average speed to zero (---), press the RESET switch for more than 1 second.
- When you drive 0.5 km (0.5 mile) and less after resetting, the average speed will be displayed to '---'.

4. Drive Time

Conventional Type

Supervision Type



B400B09TG

- This mode indicates the total time from the starting of the engine to the ignition key "OFF" after resetting. When the RESET switch is pushed, it will be initialized to '0:00'.
- The drive time will be initialized to '0:00' after being displayed to '99:59'.

5. Average Fuel Consumption

Conventional Type

Supervision Type

B400B10TG

- 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 RESET 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 '--'.

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.

B340C03L-AAT

Headlight Switch

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

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

Parking Light Auto Cut

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

B340F01A-GAT

Daytime Running Lights (If Installed)

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

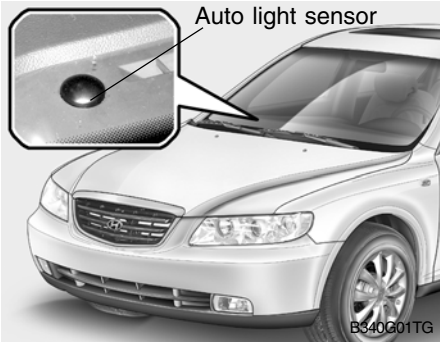
B340G01LZ-GAT

Auto Light (If Installed)

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

NOTE:

Switch on car light manually in foggy, cloudy and rainy conditions.



NOTE:

- **Never place anything over sensor located on the instrument panel. This will ensure better auto light system control.**
- **Don't clean the sensor using a window cleaner.**
- **If your vehicle has window tint or other types of coating on the front windshield, the AUTO light system may not work properly.**

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.

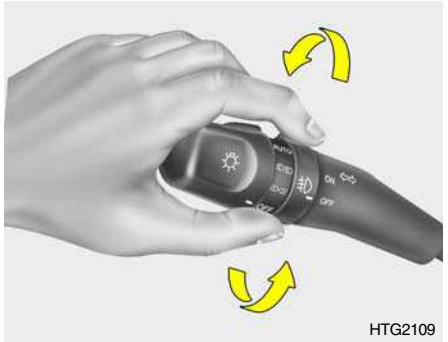
B340E01A-AAT

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.

B360B01TG-GAT

Front Fog Light Switch



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

B360A01TG-GAT

Rear Fog Light Switch (If Installed)

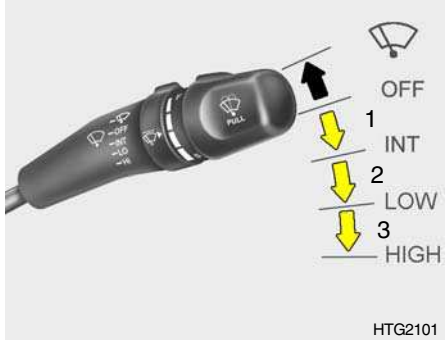
Left-Hand Drive type

Right-Hand Drive type

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

WINDSHIELD WIPER AND WASHER SWITCH

B350A01A-AAT



The windshield wiper switch has three positions:

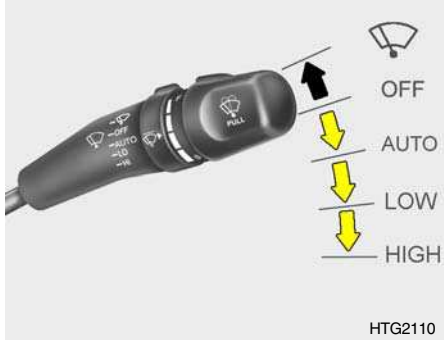
1. Intermittent wiper operation
2. Low-speed operation
3. High-speed operation

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.

B350B01B-GAT

Auto Wiper Operation (If Installed)



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

NOTE:

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

WARNING:

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

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

B350B01O-GAT

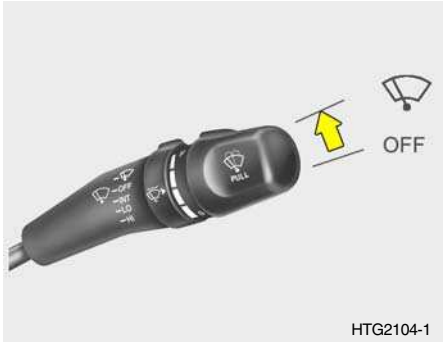
Windshield Washer Operation

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

NOTE:

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

Mist Wiper Operation



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

B350C01O-AAT

Adjustable Intermittent Wiper Operation

HTG2102

To use the intermittent wiper feature, place the wiper switch in the "INT" position. With the switch in this position, the interval between wipes can be varied from approximately 1 to 18 seconds by turning the interval adjuster barrel. This is also varied automatically depending on your road speed.

HEADLIGHT WASHER

B345G01TG-GAT

(If Installed)

HTG2103-1

The headlight washer is operated in connection with the windshield washer lever. To operate the headlight washer, pull the wiper/washer lever toward the steering wheel for about 1 second. It will operate when the headlight switch is in the second position and the key is in the "ON" position.
The washer fluid will be sprayed on to the headlights for about 1 second.

NOTE:

Check the headlight washers periodically to confirm that the washer fluid is being sprayed properly onto the headlight lenses.

HEADLIGHT LEVELING DEVICE SYSTEM

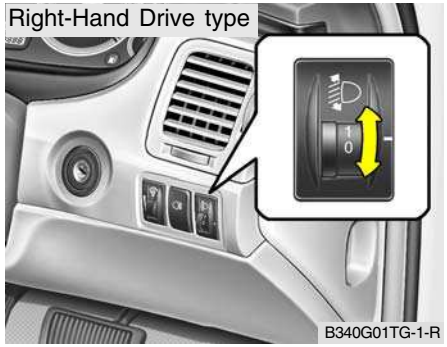
B340G01Y-GAT

(Manual Type) (If Installed)

Left-Hand Drive type

B340G01TG-1

Right-Hand Drive type



B340G01TG-1-R

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

B340G01LZ-GAT

(Automatic Type) (If Installed)

It is automatically adjusted the headlight beam level according to the number of the passengers and the loading weight in the luggage area.
And it offers the proper headlight beam under the various conditions.

WARNING:
If it is not working properly even though your car is inclined backward according to passenger's posture, or the headlight beam is irradiated to the high or low position, have your vehicle inspected by your Hyundai dealer.
Don't attempt to inspect or replace the wiring yourself to prevent malfunction.

HAZARD WARNING SYSTEM

B370A01A-AAT

Left-Hand Drive type

Right-Hand Drive type

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 on 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 in on the switch a second time.

FRONT/REAR WINDOW DEFROSTER SWITCH

B380A02HP-AAT

(If Installed)

With Manual A/C

With Automatic A/C

B380A01TG

The front/rear window defroster is turned on by pushing in on the switch. At the same time, the front/rear window defroster indicator light on the switch is turned on. To turn the defroster off, push in on the switch a second time. The front/rear window defroster automatically turns itself off after about 20 minutes. To restart the defroster cycle, push in on the switch again after it has turned itself off.

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

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

DIGITAL CLOCK

B400A01TG-GAT

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

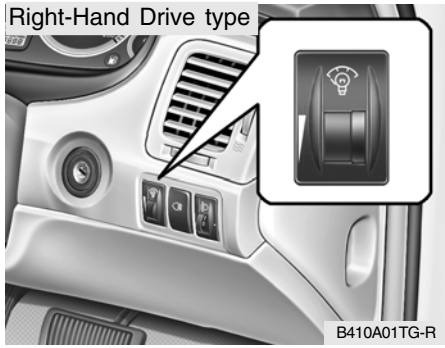
H - Push "H" to advance the hour indicated.
M - Push "M" to advance the minute indicated.
R - Push "R" to reset minutes to ":00" to facilitate resetting the clock to the correct time.
When this is done:
Pressing "R" between 11 : 01 and 11 : 29 changes the readout to 11 : 00.
Pressing "R" between 11 : 30 and 11 : 59 changes the readout to 12 : 00.
Push the "R" button for 4 seconds to display a 12 or 24-hour clock.

INSTRUMENT PANEL LIGHT CONTROL (RHEOSTAT)

B410A01A-AAT

Left-Hand Drive type

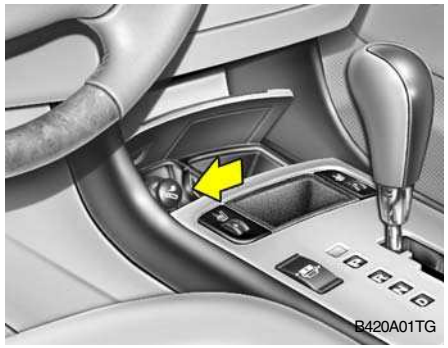
Right-Hand Drive type



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

CIGARETTE LIGHTER

B420A02A-AAT

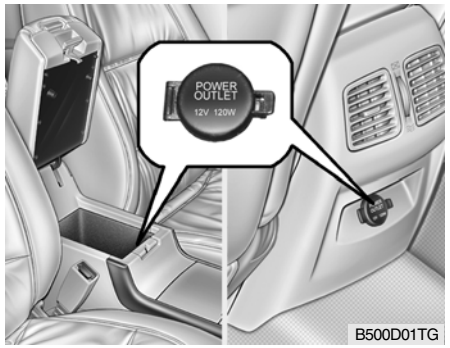


For the cigarette lighter to work, the key must be in the "ACC" position or the "ON" position.
To use the cigarette lighter, push it all the way into its socket. When the element has heated, the lighter will pop out to the "ready" position.
Do not hold the cigarette lighter pressed in. This can damage 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.

B500D01TG-GAT



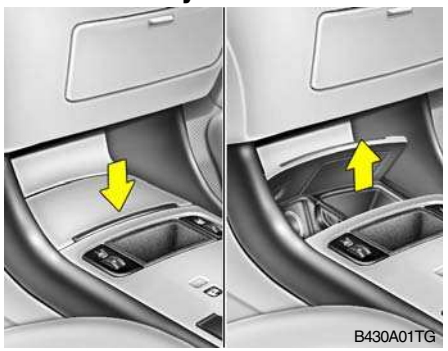
These supply 12V electric power to operate electric accessories or equipment only when the key is in the "ON" or "ACC" position.

CAUTION:
- **Use when the engine is running and remove a plug from the power outlet after using the electric appliance. 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

B430A02NF-GAT

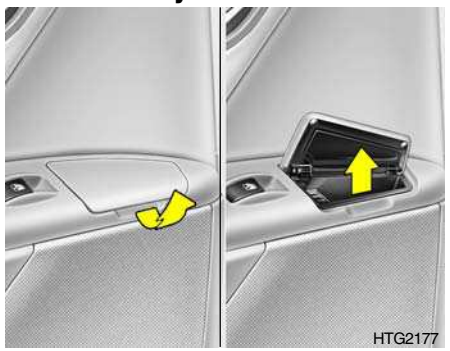
Front Ashtray



The front ashtray may be opened by pushing and releasing the ashtray lid. To clean the ashtray, the plastic receptacle should be removed by lifting the plastic ash receptacle upward and pulling it out. The ashtray light will only illuminate when the external lights are on.

B440A01TG-AAT

Rear Ashtray

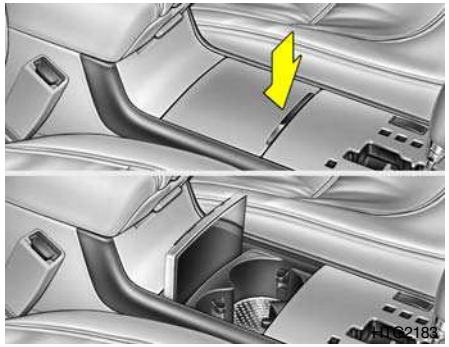


The rear ashtray may be opened by pulling the ashtray lid out. To clean the ashtray, the plastic receptacle should be removed by lifting the plastic ash receptacle upward and pulling it out.

DRINK HOLDER

B450A01LZ-GAT

Front Drink Holder



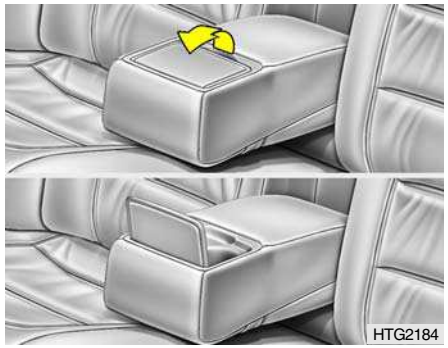
The drink holder is located on the main console for holding cups or cans. The drink holder can be opened by pushing at its top edge.

CAUTION:
Place the drink holder in its closed position when not in use.

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. The objects can be thrown out in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.**

B450B01NF-GAT

Rear Drink Holder



The rear drink holder for holding cups or cans is located in the center of the rear seat armrest.

CAUTION:
Place the drink holder in its closed position while not in use.

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. These objects can be thrown out in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.**

SEATBACK POCKET

B540B01E-GAT

The seatback pockets are located on the backside of the front seats for holding papers.

SUNROOF

B460A02Y-AAT

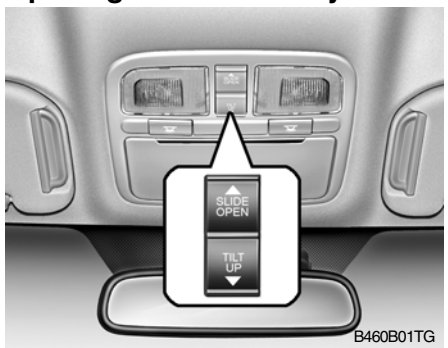
(If Installed) Sun Shade

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.

B460B01TG-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, momentarily (more than 1 second) press the SLIDE OPEN button on the overhead console. 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.

Auto slide close

To close the sunroof, press the TILT UP button on the overhead console for more than 1 second.
The sunroof will slide all the way close. To stop at the desired point, press any sunroof control button.

Auto reverse

If an object or part of the body is detected while the sunroof is closing automatically, it will reverse direction, and then stop.
Auto reverse function does not work if a tiny obstacle is blocked between the sliding glass and the sunroof sash. You should always check that all passengers and objects are away from the sunroof before closing it.

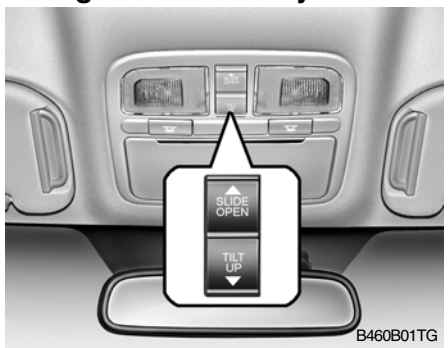
WARNING:
Be careful that someone's head, hands and body are not trapped by a closing sunroof.

Manual slide close

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

B460C01TG-GAT

Tilting the Sunroof System



B460B01TG

Auto tilt up

To use the auto tilt feature, momentarily (more than 1 second) press the TILT UP button on the overhead console. 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.**

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.**

B460D01NF-GAT

Manual Operation of Sunroof

If the sunroof does not electrically operate:

1. Open the spectacle case.
2. Remove the two mounting screws of the front overhead console with a (+) driver.

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

B460E01TG-GAT

Resetting the sunroof

Whenever the vehicle battery is disconnected or discharged, or you use the emergency handle to operate the sunroof, 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

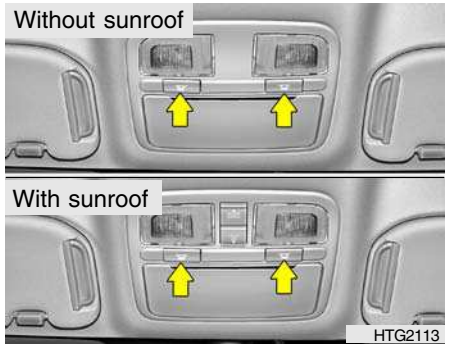
   Then, release the button.

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

INTERIOR LIGHT

B480B01TG-AAT

Front Map Light



Push in the map light switch to turn the light on or off. This light produces a spot beam for convenient use as a map light at night or as a personal light for the driver and the passenger.

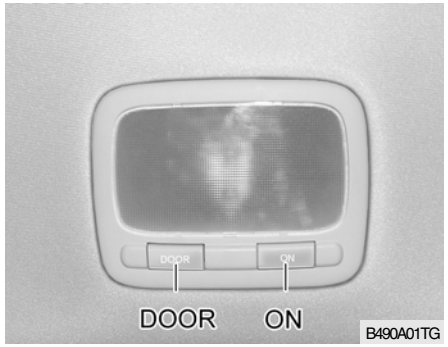
B485A01TG-GAT

Rear Map Light

Push in the map light switch to turn the light on or off. This light produces a spot beam for convenient use as a map light at night or as a personal light for rear passengers.

B490A02NF-GAT

Interior Light



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

o DOOR

In the "DOOR" position, the interior courtesy light comes on when any door is opened regardless of the ignition key position. The light goes out gradually 30 seconds after the door is closed.

o **ON**

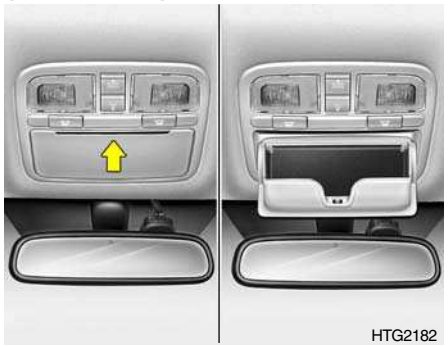
In the "ON" position, the light stays on at all times.

CAUTION:
Do not leave this button pressed for an extended period of time when the vehicle is not running.

SPECTACLE CASE

B491A03O-GAT

(If Installed)



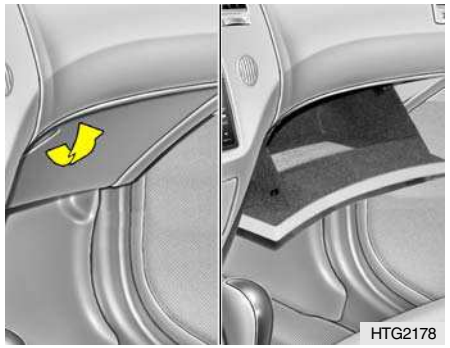
The spectacle case is located on the front overhead console.
Push the end of the cover to open the spectacle case.

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.**

STORAGE BOX

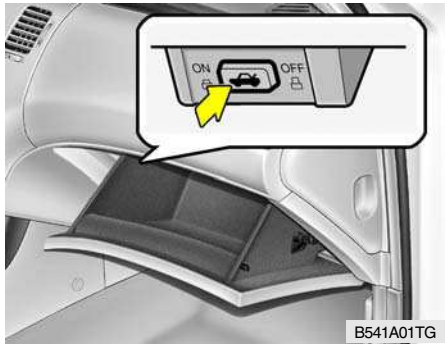
B500A01TG-AAT

GLOVE BOX



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

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



NOTE:
Information about use of the trunk lid control button located in the glove box is beginning on the trunk lid section.

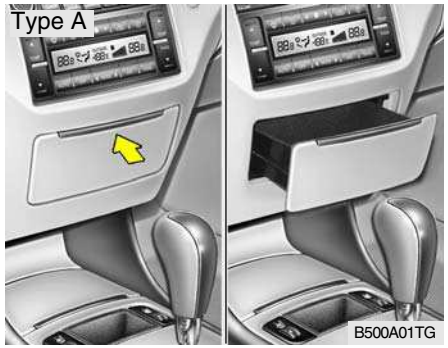
B500B01NF-GAT

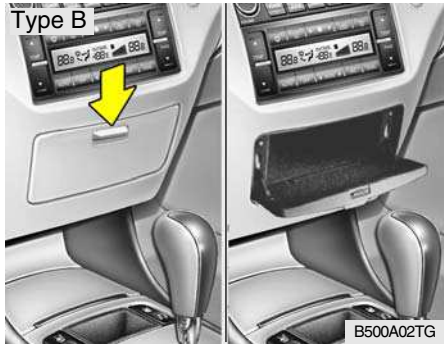
Illuminated Glove Box

Opening the glove box will automatically turn on the light when the multi-function switch is turned to the first position.

B500A01TG-GAT

ACCESSORY BOX

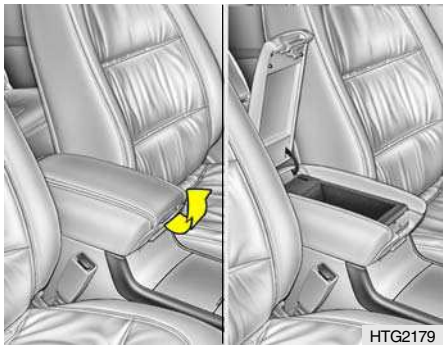


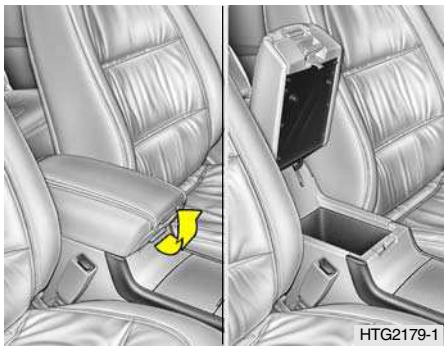


The accessory box may be opened by pushing at its top edge (Type A) or pushing the knob downward (Type B). It is used for storing small articles.

B505A01NF-GAT

CENTER CONSOLE BOX


HTG2179


HTG2179-1

The center console box is used for storing cassette tape or small articles. To use the center console box, pull up the button and lift the lid to open it.

WARNING:
To avoid the possibility of injury in case of an accident or a sudden stop, the center console box lid should be kept closed when the car is in motion.

OUTSIDE REARVIEW MIRROR

B510B01TG-AAT

B510B01TG

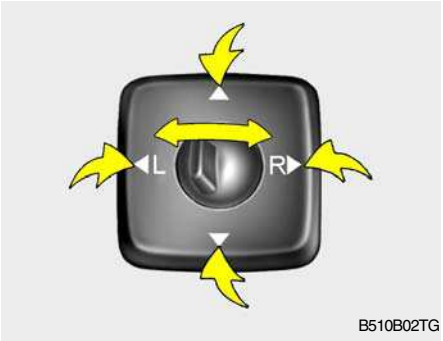
The outside rearview mirrors can be adjusted to your preferred rear vision, both directly behind the vehicle, and to the rear of the left and right sides.
The remote control outside rearview mirror switch controls the adjustments for both right and left outside mirrors.

NOTE:
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.

CAUTION:
If the mirror is jammed with ice, do not adjust the mirror by force. 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.

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 rearview mirror. It is a convex mirror with a curved surface. Any objects seen in this mirror are closer than they appear.

B510D02HP-AAT

OUTSIDE REARVIEW MIRROR HEATER (If Installed)

With Manual A/C

With Automatic A/C

B380A01TG

The outside rearview mirror heater is actuated in connection with the front/rear window defroster. To heat the outside rearview mirror glass, push in the switch for the front/rear window defroster. The rearview mirror glass will be heated for defrosting or defogging and will give you improved rear vision in inclement weather conditions.

Push the switch again to turn the heater off. The outside rearview mirror heater automatically turns itself off after 20 minutes.

B510C01TG-AAT

FOLDING THE OUTSIDE REAR-VIEW MIRRORS (Manual Type) (If Installed)

B510C01TG

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

CAUTION:
If the mirror is jammed with ice, do not adjust the mirror by force. 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.

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 causing death, serious injury or property damage.

B510E01TG-AAT

FOLDING THE OUTSIDE REAR-VIEW MIRRORS (Electric Type)

Both left and right outside rearview mirrors can be folded by pressing the outside rearview mirror folding switch. The outside rearview mirrors can be folded rearward for parking in narrow areas.

CAUTION:

- **If the mirror is jammed with ice, do not adjust the mirror by force. 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.**
- **Do not attempt to fold the outside rearview mirrors manually. If the mirrors are not completely folded out, the mirrors may be vibrate.**

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 REAR-VIEW MIRROR

B520A01A-AAT

Manual type

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.

B520B02O-GAT

Electric type (If Installed)

The electric type day/night inside rear-view mirror automatically controls the glare of headlights of the car behind you.

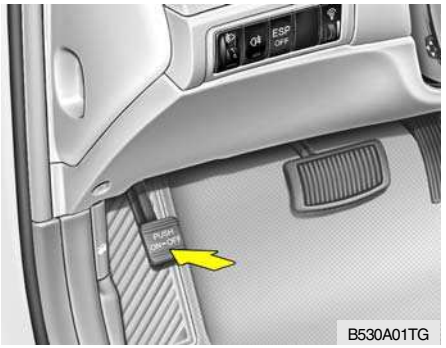
1. Pressing the ⏻ button turns the auto-dimming function OFF which is indicated by the green status indicator LED turning off.
2. Pressing the ⏻ button again turns the auto-dimming function ON which is indicated by the green status indicator LED turning on.

NOTE:

The mirror defaults to the "ON" position each time the vehicle is started.

PARKING BRAKE

B530A01TG-GAT



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.

- o To engage the parking brake, depress the parking brake pedal.
- o To release the parking brake, depress the parking brake pedal a second time.

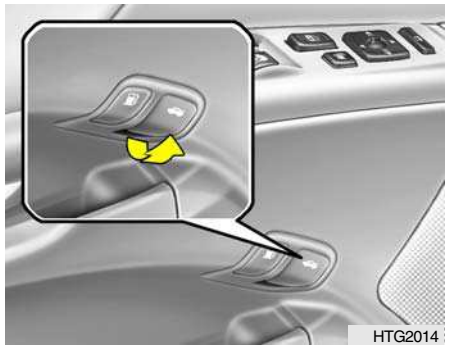
NOTE:

The parking brake pedal should be checked periodically for proper stroke.

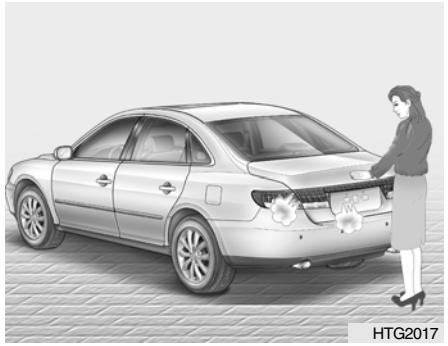
TRUNK LID

B540A01S-GAT

Remote Trunk Lid Release



To open the trunk lid without using the key, pull up the lid release lever.



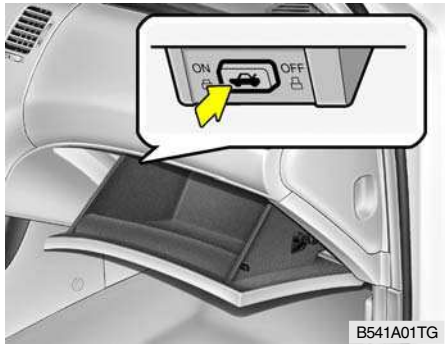
To close, lower the trunk lid, then press down on it until it locks.

To be sure the trunk lid is securely fastened, always check by trying to pull it up again.

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

B541A01TG-GAT

Trunk Lid Control Button



The trunk lid control button located in the vehicle glove box is used to prevent unauthorized access to the trunk.

Locking

To activate the trunk lock system so that the trunk can only be opened with the master key, perform the following:

1. Open the glove box.
2. Set the trunk lid control button to "OFF" position (not depressed).
3. Close the glove box and lock the glove box with the master key.

When leaving the key with a parking lot attendant or valet, perform steps 1 to 3 above and leave the sub key with the attendent. Sub key can start the engine and operate door locks only.

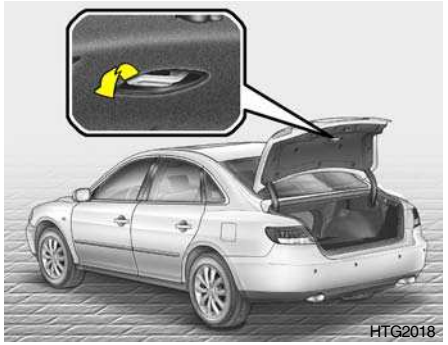
Releasing

To release the trunk lock feature, open the glove box with master key and set the trunk lid control button to "ON" position (depressed). In this position the trunk will open with trunk lid release lever or transmitter. The trunk can never be opened with the sub key.

WARNING:
Doors and trunk should be kept locked and keys be kept out of the reach of children. Parents also should teach their children about the dangers of playing in trunks.

B540B02E-AAT

Trunk Lid Emergency Latch Release



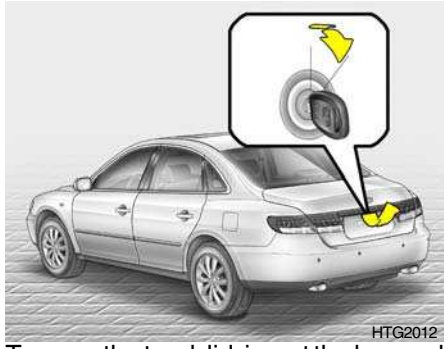
Your vehicle is equipped with a glow-in-the dark emergency trunk release lever located inside the trunk. It will glow after the trunk is closed. When pulled, this lever will release the trunk latch mechanism and open the trunk.

WARNING:

- **If a person is locked in the trunk, pull the emergency trunk release lever on the driver's side of the inside panel of the trunk to open the trunk lid.**
- **HYUNDAI recommends that cars be kept locked and keys be kept out of the reach of children, and that parents teach their children about the dangers of playing in trunks.**
- **Parents should teach children about the emergency trunk release lever in their vehicle and how to open the trunk lid if they are accidentally locked in the trunk.**

B540C01Y-AAT

To unlock using the key



To open the trunk lid, insert the key and turn it clockwise to unlock. The trunk compartment light comes on when the trunk lid is opened.

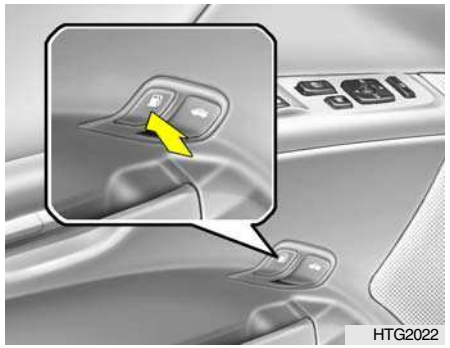
HIGH-MOUNTED REAR STOP LIGHT

B550A01A-AAT

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 also lights when the brakes are applied.

REMOTE FUEL-FILLER LID RELEASE

B560A02NF-GAT



The fuel-filler lid may be opened from inside the vehicle by pushing on the fuel-filler lid opener located on the driver side door.

NOTE:

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

WARNING:

- **Fuel vapors are dangerous. Before refueling, always stop the engine and never allow sparks or open flames near the filler area. If you need to replace the filler cap, use a genuine Hyundai replacement part.**
  If you open the fuel filler cap during high ambient temperatures, a slight "pressure sound" may be heard. This is normal and not a cause for concern.
  Whenever you open the fuel filler cap, turn it slowly.

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.
- Before refueling always 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.

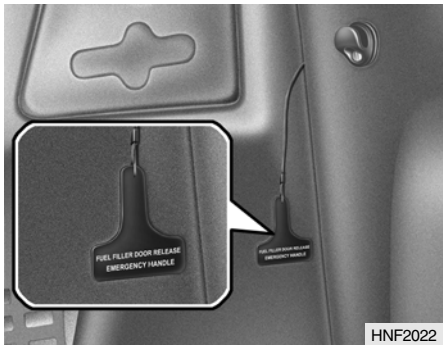
If you must re-enter the vehicle, you should once again eliminate potentially dangerous static electricity discharge by touching a metal part of the vehicle, away from the fuel filler neck, nozzle or other gasoline source.
- When using a portable fuel container be sure to place the container on the ground 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.

HOOD RELEASE

B560B01L-GAT

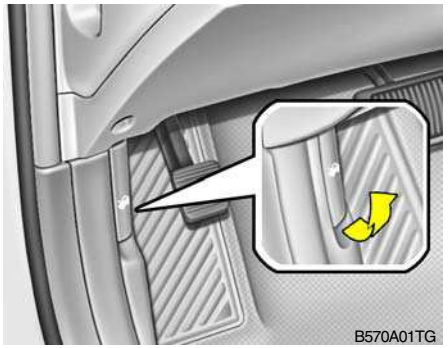
Manual Fuel Filler Lid Release



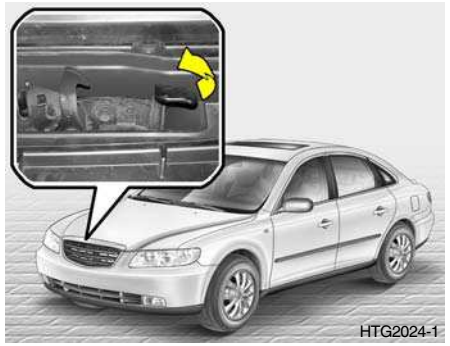
HNF2022

If the fuel filler lid cannot be opened using the remote opener, a manual opener handle is located inside the trunk on the left side. Open the fuel filler lid by pulling on this handle as shown in the illustration.

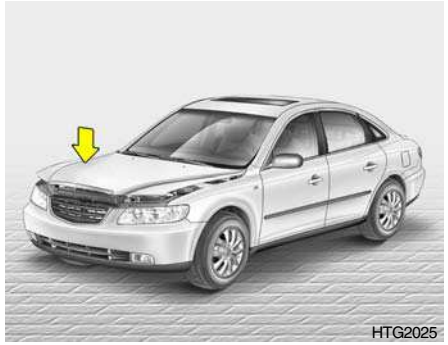
B570A01NF-GAT


B570A01TG

1. Pull the release knob to unlatch the hood.


HTG2024-1

2. Pull the secondary latch up and lift the hood.
3. Raise the hood by hand.

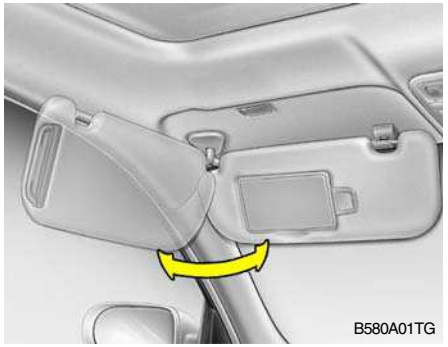

HTG2025

When closing the hood, slowly close the hood and make sure it locks into place.

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.**
- **Do not move the vehicle with the hood in the raised position, as vision is obstructed and the hood could fall or be damaged.**

B580A01NF-GAT



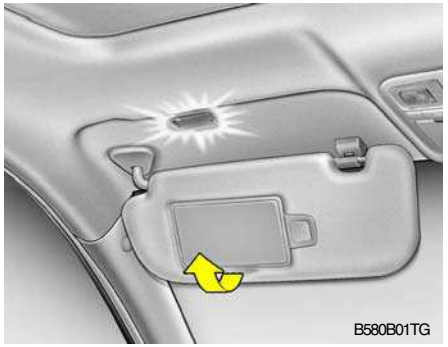
Your Hyundai is equipped with sun visors to give the driver and front passenger either frontal or sideward shade. To reduce glare or to shut out direct rays of the sun, turn the sun visor down.
Vanity mirrors are provided on the back of the sun visor for the driver and front passenger.

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

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

B500B01B-GAT

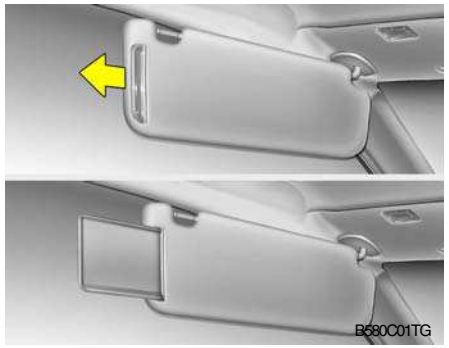
Illuminated Vanity Mirror



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

B580C01JM-AAT

Sun Visor Extender



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

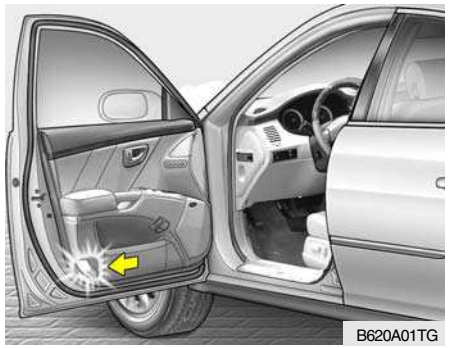
TICKET HOLDER

B580C01LZ-AAT

The ticket holder is provided on the front of the sun visor for holding a tollgate ticket.

DOOR EDGE WARNING LIGHT

B620A01TG-AAT



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

HORN

B610A01L-GAT

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

REAR SEAT ARMREST

B611A01Y-GAT

The rear seat armrest is located in the center of the rear seatback.

REAR WINDOW CURTAIN

B265C01TG-GAT

(If Installed)

Press the curtain switch to raise the rear window curtain. To lower the rear window curtain, press the switch once again.

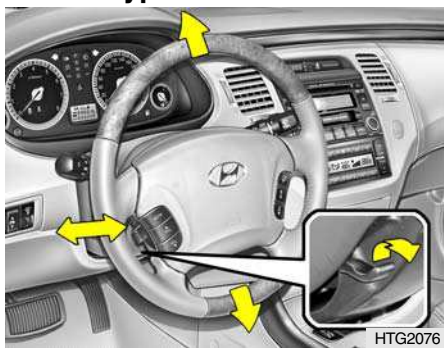
NOTE:

- **When the transaxle gear is shifted into reverse "R", the rear window curtain will automatically lower.**
- **Be sure to lower the rear window curtain when the vehicle is moving.**
- **Do not attempt to raise or lower the rear window curtain manually.**

STEERING WHEEL TILT & TELESCOPIC

B600A01TG-GAT

Manual type



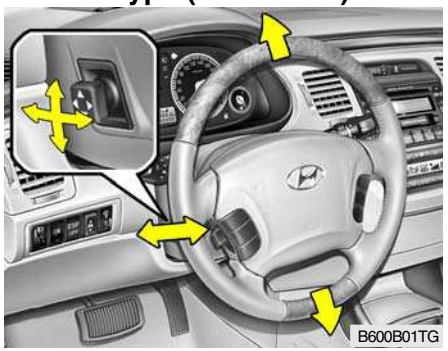
To adjust the steering wheel:

1. Push the lever downward fully to unlock.
2. Adjust upward or downward and forward or backward to set the steering wheel to the desired position.
3. After adjustment, securely tighten the lever by pulling it upward.

CAUTION:
After adjusting the steering wheel, try moving it up and down to make sure it is locked in position.

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

B600B01TG-GAT
Electric type (If Installed)



To adjust the desired position of the steering wheel, operate the adjusting switch on the left side of the steering wheel.

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

B660A01S-GAT
(If Installed)

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

B660B01NF-GAT
To Set the Cruise Speed

1. Push the cruise control ON/OFF switch. The "CRUISE" indicator light in the instrument cluster will illuminate. This turns the system on.
2. Accelerate to desired cruising speed above 40 km/h (25 mph).

B660B02TG

3. Push the "SET" (COAST) switch after you have set the vehicle speed at the desired speed.
   If the "SET (COAST)" switch is selected, the cruise "SET" indicator light in the instrument cluster will illuminate.
4. Remove your foot from the accelerator pedal and the desired speed will automatically be maintained.
5. To increase speed, temporarily depress the accelerator pedal enough for the vehicle to exceed the preset speed. When you remove your foot from the accelerator pedal, the vehicle will return to the speed you have set.

NOTE:

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

B660C01TG-GAT

To Cancel the Cruise Speed

B660C01TG

To disengage the cruise control system, push the control switch "CANCEL".
Additionally, the following actions will disengage the system:

- o Depress the brake pedal.
- o Shift the selector lever to "N" position.
- o Decrease the vehicle speed lower than the memory speed by 15 km/h (9 mph).
- o Decrease the vehicle speed to less than 40 km/h (25 mph).
- o Release the cruise control ON/OFF switch.

B660D01NF-GAT

To Resume the Preset Speed

B660D01TG

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

If the control switch "RESUME (ACCEL)" is selected, the cruise "SET" indicator in the instrument cluster will illuminate.

B660E01NF-GAT

To Reset at a Faster Speed

1. Push the control switch "RESUME (ACCEL)" and hold it.
   If the control switch "RESUME (ACCEL)" is selected, the cruise "SET" indicator in the instrument cluster will illuminate.
2. Accelerate to desired speed and release the control switch. While the control switch is held, the vehicle will gradually gain speed.

B660F01TG-GAT

To Reset at a Slower Speed

B660B02TG

1. Push the control switch "SET (COAST)" and hold it. While the control switch is pushed, the vehicle speed will gradually decrease.
   If the "SET(COAST)" switch is selected, the cruise "SET" indicator light in the instrument cluster will illuminate.
2. When the desired speed is obtained, release the control switch.

WARNING:

- **Keep the cruise control ON/OFF switch off when not using the cruise control.**
- **Use the cruise control system only when traveling on open highways in good weather.**
- **Do not use the cruise control when it may not be safe to keep the car at a constant speed, for instance, driving in heavy or varying traffic, or on slippery (rainy, icy or snow-covered) or winding roads or over 6% up-hill or down-hill roads.**
- **Pay particular attention to the driving conditions whenever using the cruise control system.**
- **During normal cruise control operation, when the "SET" switch is activated or reactivated after applying the brakes, the cruise control will energize after approximately 3 seconds. This delay is normal.**

AUDIO REMOTE CONTROL SWITCH

B610A01L-GAT

(If Installed)

Without Cruise Control System

B610A02TG

With Cruise Control System

B610A03TG

The steering wheel audio remote control switch is installed to promote safe driving.

NOTE:
Do not operate audio remote control switches simultaneously.

MODE Switch

Press the MODE switch to select Radio, Tape, CD (Compact Disc) and CDC (Compact Disc Changer).
Each press of the switch changes the display as follows:

RADIO (FM1 → FM2 → AM) → TAPE → CD → CDC

SEEK (▲/▼) Switch

Press the SEEK switch 1 sec. or more.

1. RADIO mode

When the SEEK (▲) is pressed, the unit will automatically tune to the next higher frequency and when the SEEK (▼) switch is pressed, it will automatically tune to the next lower frequency.

2. TAPE mode

- o Pressing the SEEK (▲) will play the beginning of the next music segment.
- o Pressing the SEEK (▼) will start replay at the beginning of the music just listened to.

3. CD (Compact Disc)/CDC (Compact Disc Changer) mode

- o Press the SEEK (▲) once to skip forward to the beginning of the next track.
- o Press the SEEK (▼) once to skip back to the beginning of the track.

MUTE Switch

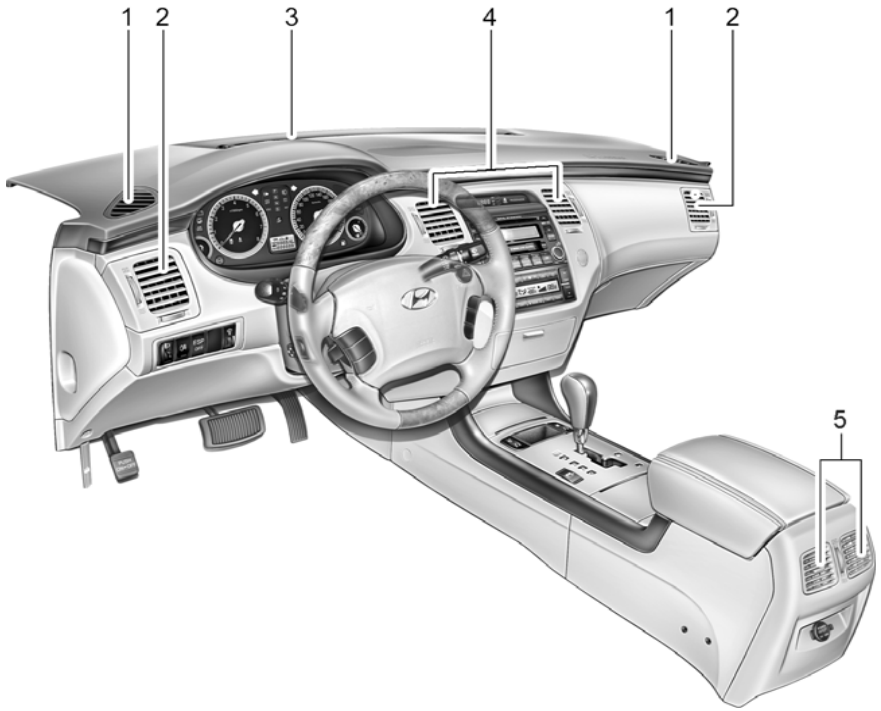
- o Press the MUTE switch to disappear the sound.
- o Press the MUTE switch again to reproduce the sound.

VOL (▲/▼) Switch

- o Press the VOL (▲) switch to increase volume.
- o Press the VOL (▼) switch to decease volume.

HEATING AND COOLING CONTROL

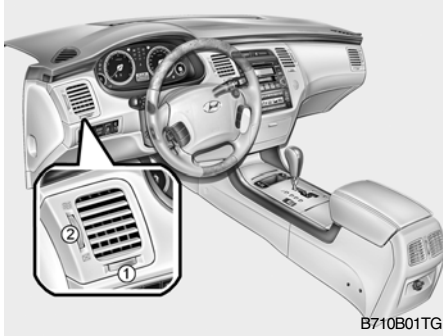
B710A01TG-GAT

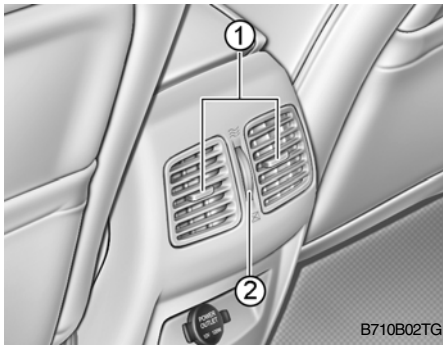


B710A01TG

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

B710B01TG-AAT
Ventilator



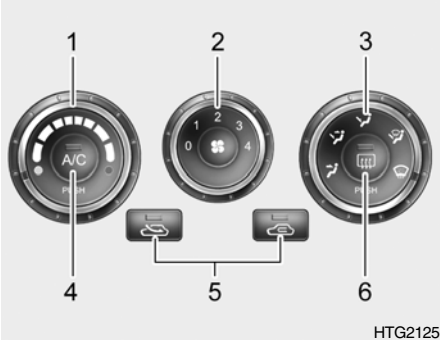


To change the direction of the air flow, turn the control knob (1). To control the amount of air, turn the control knob (2).

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.

HEATING AND VENTILATION

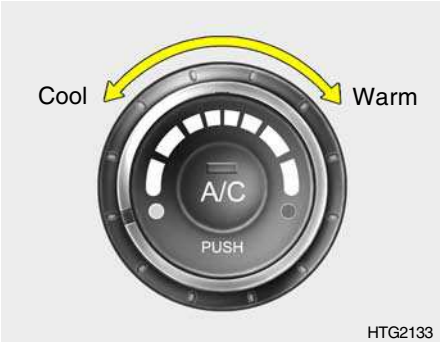
B670A01NF-GAT
Rotary and Push Button Type



1. Temperature control
2. Fan speed control
3. Air flow control
4. Air conditioning switch
5. Air intake control switch
6. Rear window defroster switch

B670E02A-AAT

Temperature Control



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

B670B01A-AAT

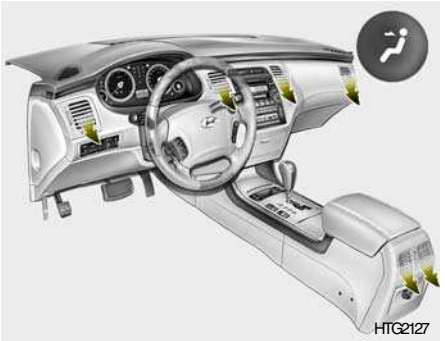
Fan Speed Control (Blower Control)

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

B670D01TG-AAT

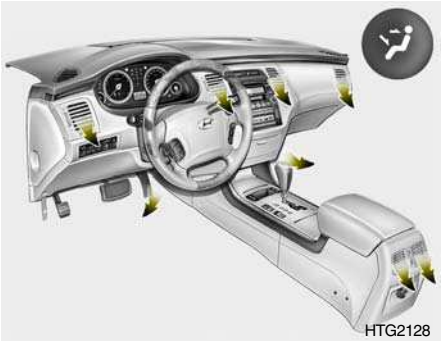
Air Flow Control

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



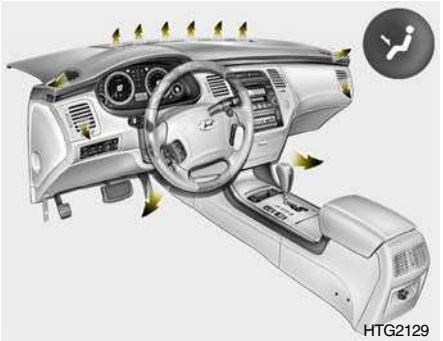
Face-Level

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



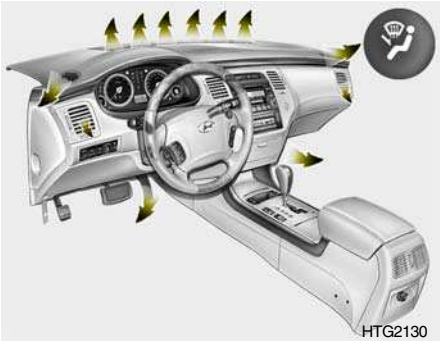
Bi-Level

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



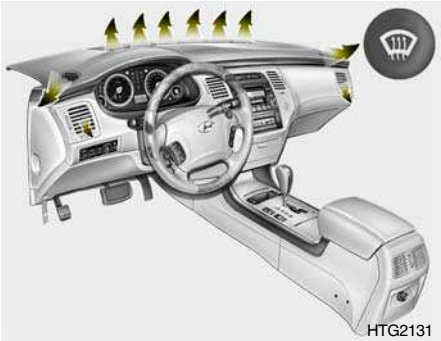
Floor-Level

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



Floor-Defrost Level

Air is discharged through the windshield defroster nozzle, the floor vents, side defroster nozzle and side ventilator .
If the "Floor-Defrost" mode is selected, the A/C will turn on automatically and "Fresh" mode will be activated.

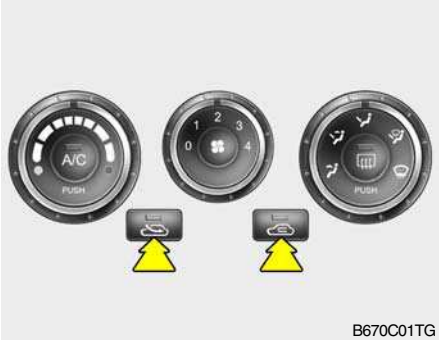


Defrost-Level

Air is discharged through the windshield defroster nozzle, side defroster nozzle and side ventilator.
If the "Defrost" mode is selected, the A/C will turn on automatically and "Fresh" mode will be activated to improve windshield defrosting.

B670C01TG-AAT

Air Intake Control Switch



This is used to select fresh outside air or recirculation of 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 fogging of the windshield and side windows and the air within the passenger compartment will become stale. In addition prolonged use of the air conditioning with the "" mode selected may result in the air within the passenger compartment becoming excessively dry.

HEATING CONTROLS

B690A02S-AAT

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 switch should be set in the recirculate ( ) position.

If the windows fog up, set the air flow control to the defrost ( ) position. (The A/C will turn on automatically and "Fresh" mode will be activated.)

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

BI-LEVEL HEATING

B700A02A-AAT

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 switch 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

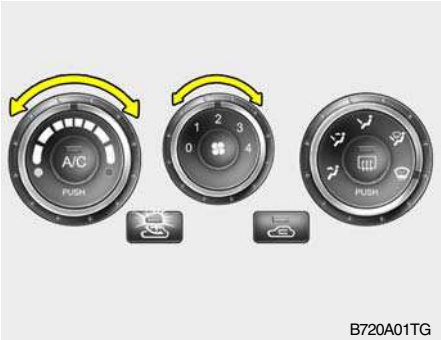
B710A02TG

To operate the ventilation system:

- o Set the air intake control switch at the fresh air ( ) position.
- o To direct all intake air to the dashboard vents, set the airflow control to the face ( ) position.
- o Adjust the fan speed control to the desired speed.
- o Set the temperature control between "Cool" and "Warm".

DEFROSTING/DEFOGGING

B720A02FC-AAT



B720A01TG

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.(The A/C will turn on automatically and "Fresh" mode will be activated.)
- o Set the temperature control to the desired position.
- o Set the fan speed control between "1" and "4" position.

B720A02TG

To remove frost or exterior fog on the windshield:

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

NOTE:
When the A/C is operated continuously on the floor-defrost level ( ) or defrost level ( ), it may cause fog to form on the exterior windshield. If this occurs, set the air flow control to the face level position ( ) and fan speed control to the low position.

B730A01L-AAT
Operation Tips

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

B740A01S-AAT
Air Conditioning Switch (If Installed)

HTG2135

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

B740B02A-AAT

Air Conditioning Operation Cooling

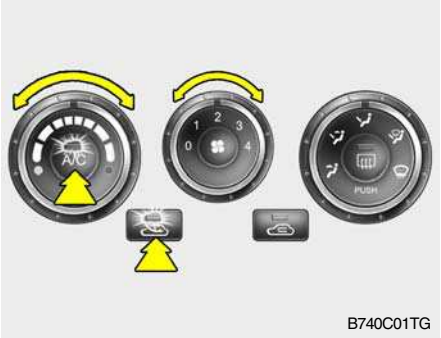
B740B01TG

To use the air conditioning to cool the interior:

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

B740C01A-AAT

De-Humidified Heating



B740C01TG

For dehumidified heating:

- o Turn on the fan control switch.
- o Turn on the air conditioning switch. The air conditioning indicator light should come on at the same time.
- o Set the air intake control switch to the fresh air ( ) position.
- o Set the air flow control to the face ( ) position.
- o Adjust the fan control to the desired speed.
- o For more rapid action, set the fan at one of the higher speeds.
- o Adjust the temperature control to provide the desired amount of warmth.

B740D02Y-AAT

Operation Tips

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

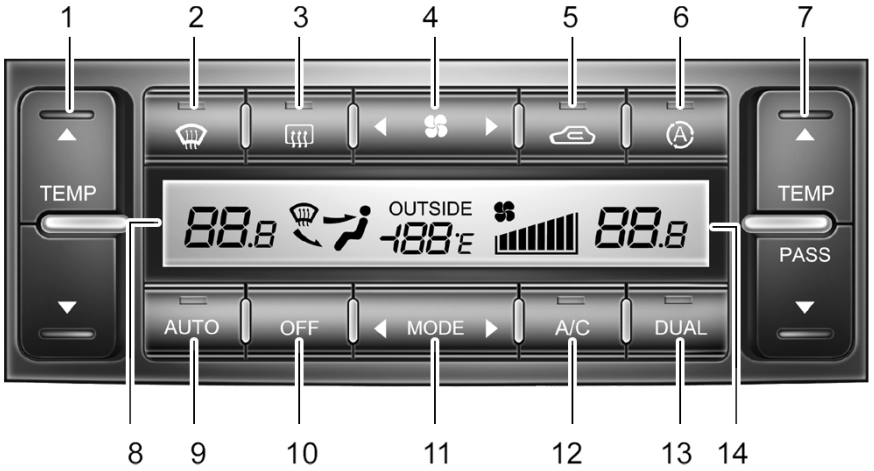
AUTOMATIC HEATING AND COOLING CONTROL SYSTEM

B970A01Y-AAT

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

B970B01TG-GAT

Heating and Cooling Controls



B970B01TG

1. Temperature Control Switch (Driver's side)
2. Defroster Switch
3. Front/Rear Window Defroster Switch
4. Blower Fan Control Switch
5. Air Intake Control Switch
6. Air Quality System Switch
7. Temperature Control Switch (Front passenger's side)
8. Display Window (Driver's side)
9. AUTO (Automatic Control) Switch
10. OFF Switch
11. Air Flow Control Switch
12. Air Conditioning Switch
13. Dual Temperature Control Selection Switch
14. Display Window (Front passenger's side)

B970C01TG-GAT

Automatic Operation

HTG2140

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

1. Push the "AUTO" switch. The indicator light will illuminate confirming that the Face, Floor and/or Bi-Level modes as well as the blower speed and, air conditioner will be controlled automatically.

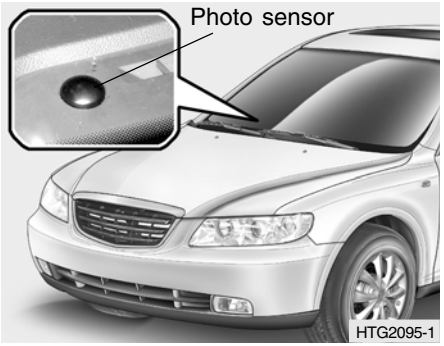
B970C01TG

2. Push the "TEMP" button to set the desired temperature.
   The temperature will increase to the maximum 32 °C(90 °F) by pushing on the ▲ button. Each push of the button will cause the temperature to increase by 0.5 °C(1 °F).
   The temperature will decrease to the minimum 17 °C(62 °F) by pushing on the ▼ button. Each push of the button will cause the temperature to decrease by 0.5 °C(1 °F).

NOTE:

If the battery has been discharged or disconnected, the temperature mode will reset to 23 °C (73 °F).

This is a normal condition and you can adjust the temperature mode from Centigrade to Farenheit as follows;
Press the DUAL button 3 seconds or more with the MODE button held down. The display shows that the unit of temperature is adjusted to Centigrade or Fahrenheit.
(°C → °F or °F → °C)



HTG2095-1

NOTE:

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

B980A01Y-AAT

MANUAL OPERATION

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

B740D02Y-AAT

Operation Tips

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

B980B01Y-AAT

Fan Speed Control Switch

B980B01TG

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

B670C01TG-AAT

Air Intake Control Switch

HTG2144

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

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

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

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

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

NOTE:

It should be noted that prolonged operation of the heating in "recirculation" mode will give rise to fogging of the windshield and side windows and the air within the passenger compartment will become stale. In addition, prolonged use of the air conditioning with the "Recirculation" mode selected may result in the air within the passenger compartment becoming excessively dry.

B980C01LZ-GAT

Air Quality Control System

HTG2145

This is used to prevent from entering the exhaust gas automatically.
Press the ( ) button to activate the "Air Quality Control System". To deactivate the system, press the ( ) button again or air intake control button, or set the mode to the defrost ( ) or floor-defrost ( ) position.

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

B740A01LZ-AAT
Air Conditioning Switch

HTG2147

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

B980D01TG-AAT
Heating and Cooling System Off

HTG2148

When pushing the "OFF" button, all of the A/C function will go off except the air flow control and air intake control.

B985A01LZ-GAT
Dual Temperature Control Selection Switch

HTG2149

Adjusting the driver and passenger side temperature individually

Press the DUAL button to operate the driver and passenger side temperature individually (The indicator light on the button is illuminated).

Adjusting the driver and passenger side temperature equally

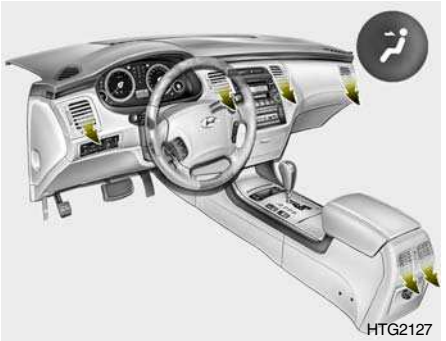
Press the DUAL button again to deactivate DUAL mode (The indicator light on the button goes off). The passenger side temperature will be set to the same as the driver side temperature.

B980E01TG-GAT

Air Flow Control

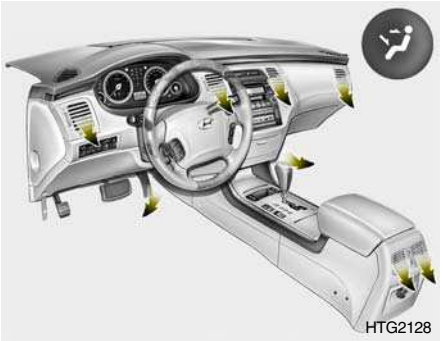
B980E01TG

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


HTG2127

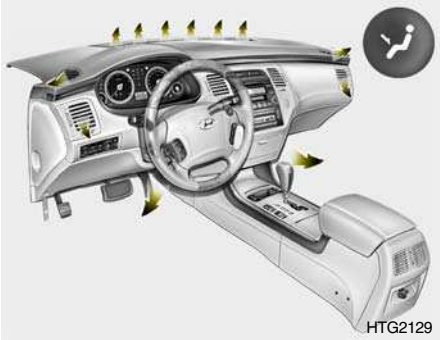
Face-Level

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


HTG2128

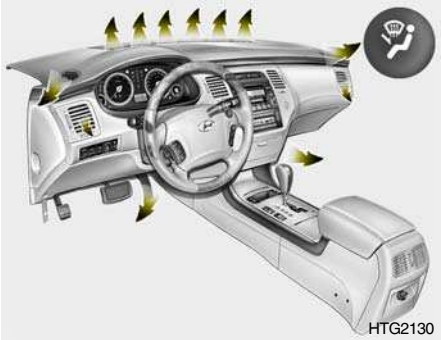
Bi-Level

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



Floor-Level

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



Floor-Defrost Level

Air is discharged through the windshield defroster nozzle, the floor vents, side defroster nozzle and side ventilator .
If the "Floor-Defrost" mode is selected, the A/C will turn on automatically and "Fresh" mode will be activated.

B980C01TG-GAT

Defrost Switch

When the "Defrost" button is pressed, the "" mode will be automatically selected and the air will be discharged through the windshield defrost nozzle, side defroster nozzle and side ventilator. If the "Defrost" mode is selected, the A/C will turn on automatically and "Fresh" mode will be activated to improve windshield defrosting. To assist in defrosting, the air conditioning will operate if ambient temperature is higher than 3°C and automatically turns off if the ambient temperature drops below 0°C in manual operation.

In automatic operation, the air conditioning will operate if ambient temperature is higher than 1.5°C and automatically turns off if the ambient temperature drops below 0.6°C

DEFROSTING/DEFOGGING

B725A01LZ-AAT

B725A01TG

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. (The A/C will turn on automatically and "Fresh" mode will be activated.)
- o Set the fan speed control to the maximum speed.
- o Set the temperature control to the desired position.

B725A02TG

To remove frost or exterior fog on the windshield:

- o Set the air flow control to the defrost ( ) position. (The A/C will turn on automatically and "Fresh" mode will be activated.)
- o Set the fan speed control to the maximum speed.
- o Set the temperature control to warm.

NOTE:
When the A/C is operated continuously on the floor-defrost level ( ) or defrost level ( ), it may cause fog to form on the exterior windshield. If this occurs, set the air flow control to the face level position ( ) and fan speed control to the low position.

B730A01L-AAT

Operation Tips

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

B980G01TG-GAT

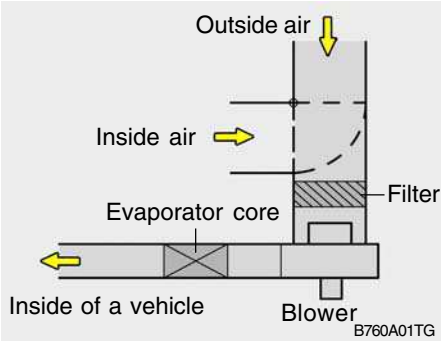
Auto de-humidified control (If Installed)

There is a humidity sensor on the center fascia panel. If it becomes very humid inside the car, the air conditioning is turned on automatically to control the humidity.

AIR CONDITIONER FILTER

B760A01TG-GAT

(For Evaporator and Blower Unit) (If Installed)



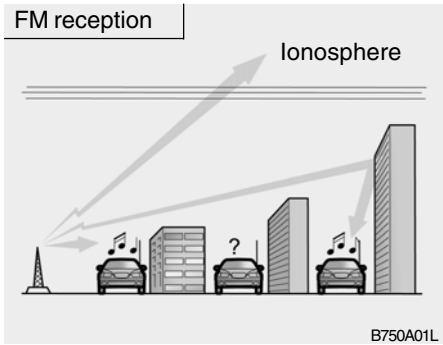
The air conditioner filter is located in the upper portion of the blower fan.
It operates to decrease the amount of pollutants entering the car.
To replace the air conditioner filter, refer to the page 6-18.

CAUTION:

- **Replace the filter every 15,000 km (10,000 miles) or once a year. If the car is being driven in severe conditions such as dusty, rough roads, more frequent air conditioner filter inspections and changes are required.**
- **When the air flow rate is suddenly decreased, it must be checked at an authorized dealer.**

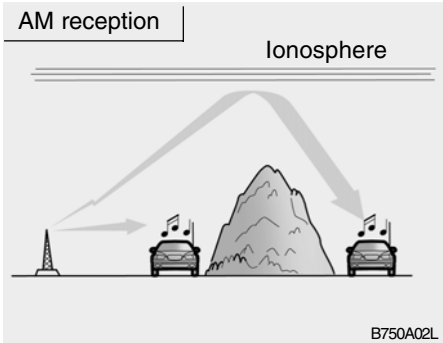
B750A02A-AAT

How Car Audio Works

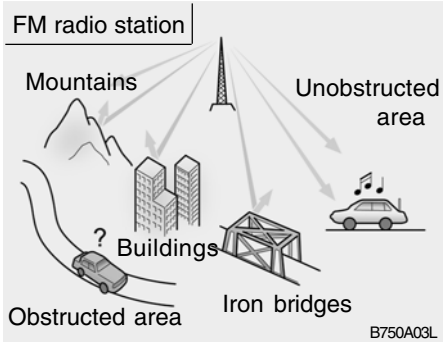


AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your car. This signal is then received by the radio and sent to your car speakers.

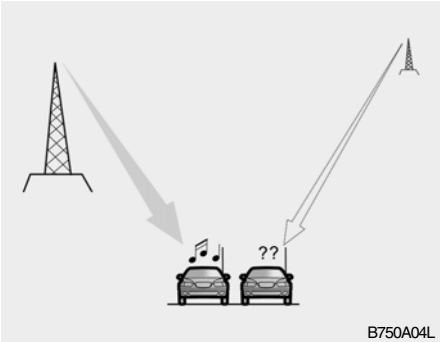
When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear. This can be due to factors such as the distance from the radio station,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



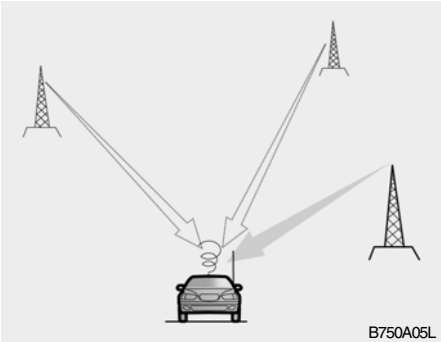
AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long, low frequency radio waves can follow the curvature of the earth rather than travelling straight out into the atmosphere. In addition, they curve around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



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



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



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

B750B03Y-GAT

Using a cellular phone or a two-way radio

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

CAUTION:

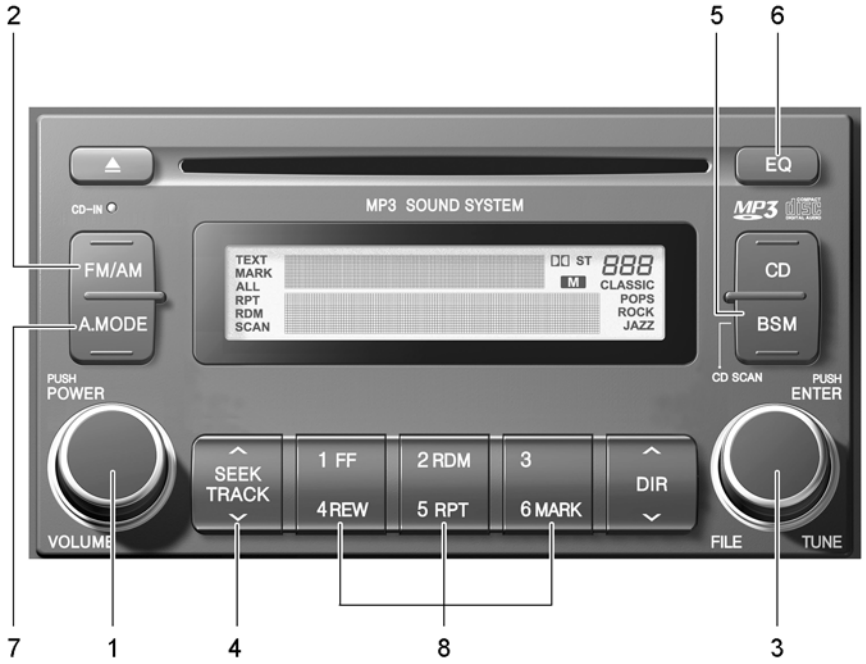
When using a communication system such a cellular phone or a radio set inside the vehicle, a separate external antenna must be fitted. When a cellular phone or a radio set is used with an internal antenna alone, it may interfere with the vehicle's electrical system and adversely affect safe operation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

WARNING:

Don't use a cellular phone when you are driving. This could result in loss of control, and an accident that may cause death, serious injury, or property damage. You must stop at a safe place to use a cellular phone.

M445A01TG-GAT

STEREO RADIO OPERATION (M445) (If Installed)



M445A01TG

1. POWER ON-OFF, VOLUME Control Knob
2. BAND Selector
3. TUNE Select Knob
4. SEEK Select Button
5. Best Station Memory (BSM) Button
6. EQUALIZER (EQ) Button
7. Adjustment Mode Select (A.MODE) Button
8. PRESET STATION Select Buttons

M445B01TG-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 knob to switch the power on. The display shows the radio frequency in the radio mode or CD/MP3 track in either the CD/MP3 mode. To switch the power off, press the knob 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 Selector

Pressing the band selector FM/AM changes the AM (MW, LW), FM1 and FM2 bands.
The mode selected is shown on the display.

3. TUNE (Manual) Select Knob

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

4. SEEK Select Button (Automatic Channel Selection)

Press the SEEK select button. When the (^ SEEK) side is pressed, the unit will automatically tune to the next higher frequency and when the (TRACK v) 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 frequency from the first preset key.

6. EQ Button

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

CLASSIC → POPS → ROCK → JAZZ →DEFEAT

7. Adjustment Mode Select (A.MODE) Button

Pressing the A.MODE button changes the BASS, MIDDLE, 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.

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 MIDDLE, 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

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).

BALANCE Control

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

8. PRESET STATION Select Buttons

Six (6) stations for AM (MW, LW), 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:

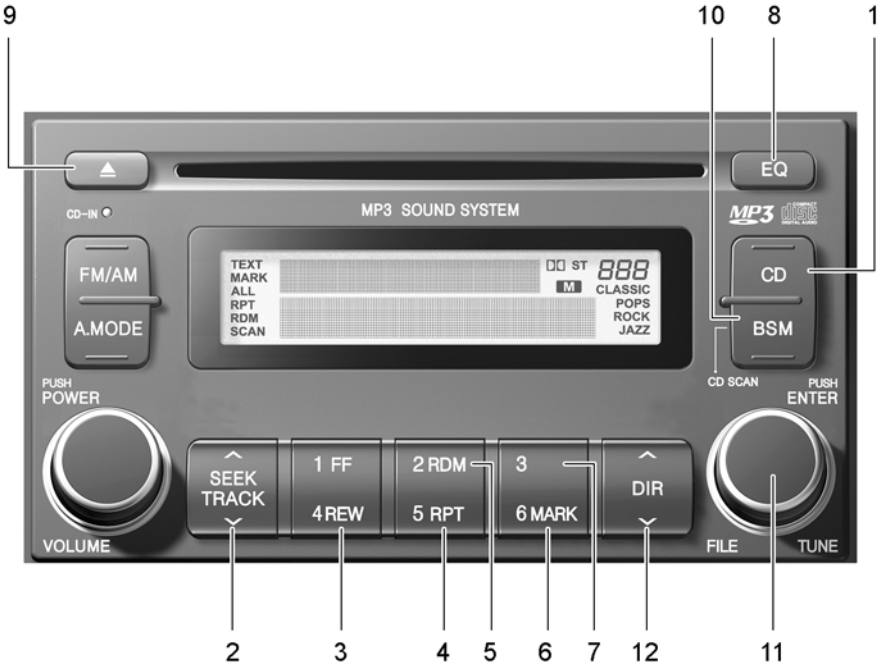
- o Press band selector to set the band for AM (MW, LW), FM1 and FM2.
- o Select the desired station to be stored by seek or manual tuning.
- o Determine the preset station select button you wish to use to access that station.
- o Press the station select button for more than two seconds. Beep sound will be heard while depressing the button. You should then release the button, and proceed to program the next desired station. A total of 24 stations can be programmed by selecting one AM (MW, LW) 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 impact on the audio system, or the playback mechanism could be damaged.**

M445C01TG-GAT

COMPACT DISC PLAYER OPERATION (M445) (If Installed) - Compatiable with MP3/WMA/AAC/WAVE



1. AUDIO/MP3 CD Select Button
2. TRACK UP/DOWN
3. FF/REW Button
4. REPEAT (RPT) Button
5. RANDOM (RDM) Button
6. BOOKMARK (MARK) Button
7. SCROLL
8. EQUALIZER (EQ) Button
9. CD EJECT Button
10. SCAN
11. FILE SEARCH Knob
12. CHANGE DIRECTORY(DIR) Button

M445C01TG

M445D01TG-GAT

1. AUDIO/MP3 CD Select Button

- o Insert the CD with the label facing upward.
- o Insert the CD to start CD playback, during radio operation.
- o When a disc is in the CD deck, if you press the CD button, the CD player will begin playing even if the radio 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 turn on that function without pushing Power ON-OFF control knob.

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 cannot play a CDR (Recordable CD) and CDRW (Rewritable CD) that is not finalized. Please refer to the manual of CDR/ CD-RW recoder or CD-R/ CDRW 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.**

2. TRACK UP/DOWN

- 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 button once to skip back to the beginning of the track.

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 currently played folder, press the RPT button for more than one second. Then it will be repeated in sequential order within the currently played folder. 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.

5. RANDOM (RDM) Button

- o For listen to the music in random order, press the RDM Button with beep sound for more than one second. To cancel, press it again.
- o For listen to the music within the currently played folder in random order, press the RDM Button within one second. To cancel, press it again within one second. (If it pressed for more than one second, it will be played all in random order.) (MP3 CD only)

6. BOOKMARK (MARK) Button

When the CD player unit is operating, the desired track on the disc can be bookmarked by using the MARK button.

- o Press the MARK button to bookmark the desired track for more than one second. This will display the " M " symbol on the LCD for five seconds with sequential number. To play the bookmarked tracks, press the MARK button within a second.
- o Press the MARK button to erase the bookmarked tracks for more than one second. This will erase the bookmark with beep sound.

7. SCROLL

When the CD is playing, you can scroll the long file name more than 16 characters (including the space and the file extension) by pressing the SCROLL button. Press the SCROLL button for one second or more, and each16 character of file name is displayed in English only on the LCD at intervals of 3 seconds.

8. EQUALIZER (EQ) Button

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

CLASSIC → POPS → ROCK → JAZZ →DEFEAT

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 3 seconds. (Do this only when a CD is jammed and you can not eject it in the normal way - e.g.) in case that you have inserted 2 CDs by mistake)

10. SCAN

- o To playback the first 10 seconds of each track, press the button with the beep sound for more than one second. Press the button again when reached the desired track.
- o To playback the first 10 seconds of each track in the selected folder, press the button within one second. If it pressed for more than one second, it will playback the first seconds of each track in the all folder with beep sound. Press the button again within one second when reached the desired track, the searching function is released and the track you desired will be played in the selected folder. (MP3 CD only)

11. FILE SEARCH Knob (TUNE Select Knob)

- o You can skip the track by turning the FILE SEARCH knob to counterclockwise or clockwise.

After selecting the desired track, press the FILE SEARCH knob to playback the track. If you do not press the FILE SEARCH knob within 5 seconds, the file searching function will be released.

12. CHANGE DIRECTORY(DIR) Button

- o You can move through the folder by pushing the DIR button to up (DIR) and down (DIR).

After moving the desired folder, press the FILE SEARCH knob to playback the first file in the selected folder.
If you do not press the FILE SEARCH knob within 5 seconds, the folder searching function will be released.
It is not operated in single folder.

NOTE:

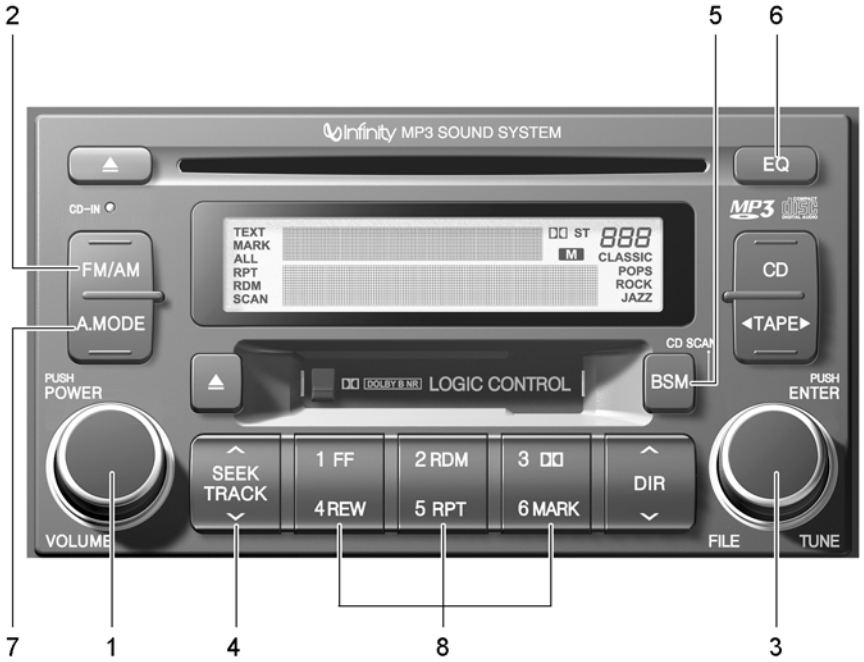
- **To assure proper operation of the unit, keep the vehicle interior temperature within a normal range by using the vehicle's air conditioning or heating system.**
- **When replacing the fuse, replace it with a fuse having the correct capacity.**
- **The bookmarks are all erased when the car battery is disconnected or power off. Therefore, all data will have to be set again if this should occur.**
- **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 impact on the audio system, or the playback mechanism could be damaged.**
- **Driving on the off-roads or other vibrations may skip your compact disc. Do not use the audio system on off-roads as the discs could be scratched and damaged.**
- **Do not grip or pull out the disc with your hand while the disc is being pulled into the unit by the self loading mechanism. These can cause disc scratching to occur or trouble in the compact disc player.**
- **Avoid using CD-Recordable or CD-Rewritable as the player could not be operated in recording way of the CD maker. When using the compact disc player, genuine CDs are recommended.**

M455A01TG-GAT

STEREO RADIO OPERATION (M455) (If Installed)



M455A01TG

1. POWER ON-OFF, VOLUME Control Knob
2. BAND Selector
3. TUNE Select Knob
4. SEEK Select Button
5. Best Station Memory (BSM) Button
6. EQUALIZER (EQ) Button
7. Adjustment Mode Select (A.MODE) Button
8. PRESET STATION Select Buttons

M455B01TG-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 knob to switch the power on. The display shows the radio frequency in the radio mode, the tape direction Indicator in the tape mode or CD/MP3 track in either the CD/MP3 mode. To switch the power off, press the knob again.
- o Push the FM/AM, TAPE 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 Selector

Pressing the band selector FM/AM changes the AM (MW, LW), FM1 and FM2 bands.
The mode selected is shown on the display.

3. TUNE (Manual) Select Knob

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

4. SEEK Select Button (Automatic Channel Selection)

Press the SEEK select button. When the (⌃ SEEK) side is pressed, the unit will automatically tune to the next higher frequency and when the (TRACK ⌄) 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 frequency from the first preset key.

6. EQUALIZER (EQ) Button

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

CLASSIC → POPS → ROCK → JAZZ →DEFEAT

7. Adjustment Mode Select (A.MODE) Button

Pressing the A.MODE button changes the BASS, MIDDLE, 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.

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 MIDDLE, 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

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).

BALANCE Control

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

8. PRESET STATION Select Buttons

Six (6) stations for AM (MW, LW), 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:

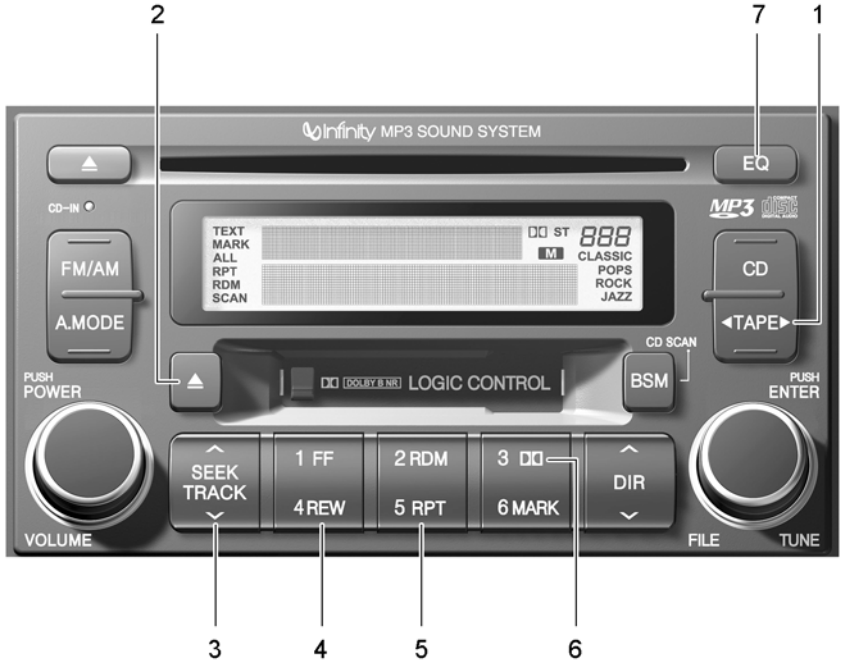
- o Press band selector to set the band for AM (MW, LW), FM and FM2.
- o Select the desired station to be stored by seek or manual tuning.
- o Determine the preset station select button you wish to use to access that station.
- o Press the station select button for more than two seconds. Beep sound will be heard while depressing the button. You should then release the button, and proceed to program the next desired station. A total of 24 stations can be programmed by selecting one AM (MW, LW) and two FM station per button.
- o When completed, any preset station may be recalled by selecting AM (MW, LW), 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 impact on the audio system, or the playback mechanism could be damaged.**

M455C01TG-GAT

CASSETTE TAPE PLAYER OPERATION (M455) (If Installed)



M455C01TG

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

M455D01TG-GAT

1. TAPE PROGRAM Button

- This allows you to play the reverse side of the tape by merely depressing the program button. An arrow will appear in the display to show tape direction.
- Push the TAPE button to turn on that function without pushing power ON-OFF control knob.

2. TAPE EJECT Button

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

3. AUTO MUSIC Search 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 4 sec. gap) can be accepted by the AUTO MUSIC search button.

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

4. FF/REW Button

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

5. REPEAT Button

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

6. DOLBY Button

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

7. EQUALIZER (EQ) Button

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

CLASSIC → POPS → ROCK → JAZZ → DEFEAT

NOTE:

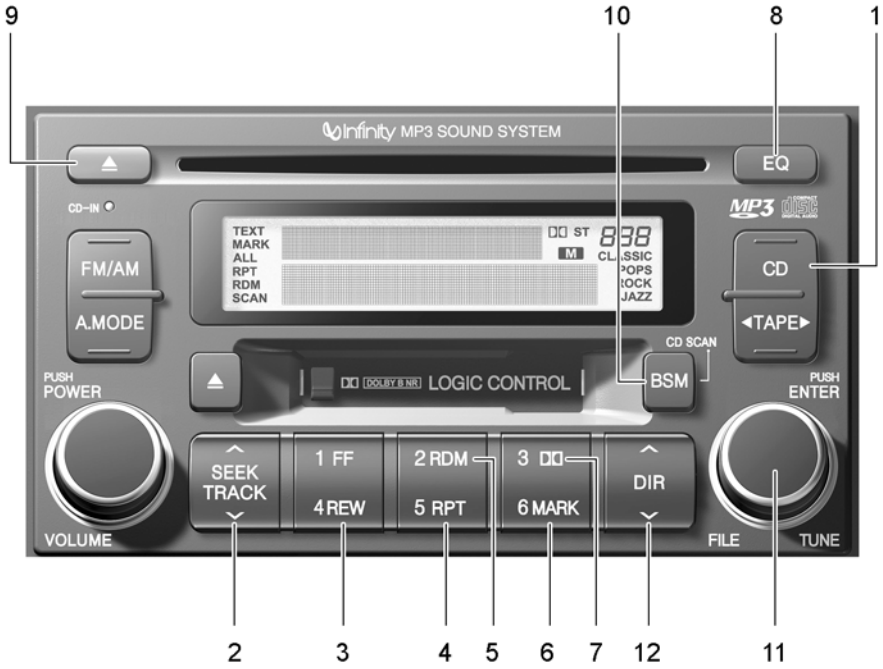
- To assure proper operation of the unit, keep the vehicle interior temperature within a normal range by using the vehicle's air conditioning or heating system.
- When replacing the fuse, replace it with a fuse having the correct capacity.
- The preset station frequencies are all erased when the car battery is disconnected. Therefore, all data will have to be set again if this should occur.
- Do not add any oil to the rotating parts. Keep magnets, screwdrivers and other metallic objects away from the tape mechanism and head.
- 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 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 impact on the audio system, or the playback mechanism could be damaged.

M455E01TG-GAT

COMPACT DISC PLAYER OPERATION (M455) (If Installed) - Compatiable with MP3/WMA/AAC/WAVE



1. AUDIO/MP3 CD Select Button
2. TRACK UP/DOWN
3. FF/REW Button
4. REPEAT (RPT) Button
5. RANDOM (RDM) Button
6. BOOKMARK (MARK) Button
7. SCROLL
8. EQUALIZER (EQ) Button
9. CD EJECT Button
10. SCAN
11. FILE SEARCH Knob
12. CHANGE DIRECTORY(DIR) Button

M455E01TG

M455F01TG-GAT

1. AUDIO/MP3 CD Select Button

- o Insert the CD with the label facing upward.
- o Insert the CD to start CD playback, during radio operation or cassette tape playing.
- o When a disc is in the CD deck, if you press the CD button the CD player will begin playing even if the radio or cassette player is being used.
- o The CD player can be used when the ignition switch is in either the "ON" or "ACC" position.
- o Push the CD button to turn on that function without pushing Power ON-OFF control knob.

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 cannot play a CDR (Recordable CD) and CDRW (Rewritable CD) that is not finalized. Please refer to the manual of CDR/CD-RW recoder or CD-R/CDRW 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.**

2. TRACK UP/DOWN

- 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 button once to skip back to the beginning of the track.

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 currently played folder, press the RPT button for more than one second. Then it will be repeated in sequential order within the currently played folder. 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.

5. RANDOM (RDM) Button

- o For listen to the music in random order, press the RDM Button with beep sound for more than one second. To cancel, press it again.
- o For listen to the music within the currently played folder in random order, press the RDM Button within one second. To cancel, press it again within one second. (If it pressed for more than one second, it will be played all in random order.) (MP3 CD only)

6. BOOKMARK (MARK) Button

When the CD player unit is operating, the desired track on the disc can be bookmarked by using the MARK button.

- o Press the MARK button to bookmark the desired track for more than one second. This will display the " M " symbol on the LCD for five seconds with sequential number. To play the bookmarked tracks, press the MARK button within a second.
- o Press the MARK button to erase the bookmarked tracks for more than one second. This will erase the bookmark with beep sound.

7. SCROLL

When the CD is playing, you can scroll the long file name more than 16 characters (including the space and the file extension) by pressing the DOLBY button. Press the DOLBY button for one second or more, and each16 character of file name is displayed in English only on the LCD at intervals of 3 seconds.

8. EQUALIZER (EQ) Button

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

CLASSIC → POPS → ROCK → JAZZ →DEFEAT

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 3 seconds. (Do this only when a CD is jammed and you can not eject it in the normal way - e.g.) in case that you have inserted 2 CDs by mistake)

10. SCAN

- o To playback the first 10 seconds of each track, press the button with the beep sound for more than one second. Press the button again when reached the desired track.
- o To playback the first 10 seconds of each track in the selected folder, press the button within one second. If it pressed for more than one second, it will playback the first seconds of each track in the all folder with beep sound. Press the button again within one second when reached the desired track, the searching function is released and the track you desired will be played in the selected folder. (MP3 CD only)

11. FILE SEARCH Knob (TUNE Select Knob)

- o You can skip the track by turning the FILE SEARCH knob to counterclockwise or clockwise.

After selecting the desired track, press the FILE SEARCH knob to playback the track. If you do not press the FILE SEARCH knob within 5 seconds, the file searching function will be released.

12. CHANGE DIRECTORY(DIR) Button

o You can move through the folder by pushing the DIR button to up (⌃ DIR) and down (DIR ⌄).

After moving the desired folder, press the FILE SEARCH knob to playback the first file in the selected folder.
If you do not press the FILE SEARCH knob within 5 seconds, the folder searching function will be released.
It is not operated in single folder.

NOTE:

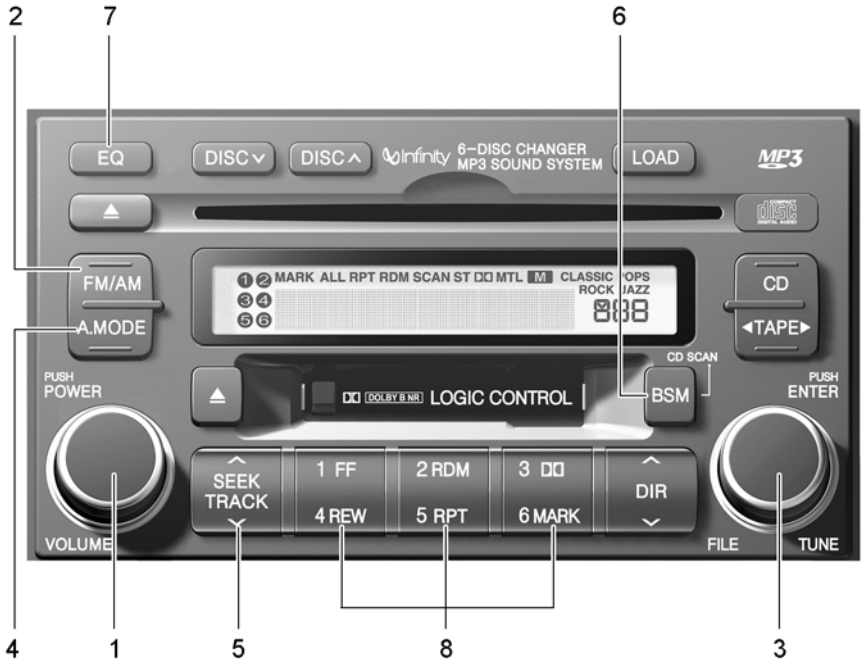
- **To assure proper operation of the unit, keep the vehicle interior temperature within a normal range by using the vehicle's air conditioning or heating system.**
- **When replacing the fuse, replace it with a fuse having the correct capacity.**
- **The bookmarks are all erased when the car battery is disconnected or power off. Therefore, all data will have to be set again if this should occur.**
- **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 impact on the audio system, or the playback mechanism could be damaged.**
- **Driving on the off-roads or other vibrations may skip your compact disc. Do not use the audio system on off-roads as the discs could be scratched and damaged.**
- **Do not grip or pull out the disc with your hand while the disc is being pulled into the unit by the self loading mechanism. These can cause disc scratching to occur or trouble in the compact disc player.**
- **Avoid using CD-Recordable or CD-Rewritable as the player could not be operated in recording way of the CD maker. When using the compact disc player, genuine CDs are recommended.**

M465A01TG-GAT

STEREO RADIO OPERATION (M465)(If Installed)



1. POWER ON-OFF, VOLUME Control Knob
2. BAND Selector
3. TUNE Select Knob
4. Adjustment Mode Select (A.MODE) Button
5. SEEK Select Button
6. Best Station Memory (BSM) Button
7. EQUALIZER (EQ) Button
8. PRESET STATION Select Buttons

M465A01TG

M465B01TG-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, the tape direction indicator in the tape mode or CD track in either the CD mode or CD AUTO CHANGER 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 Selector

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

3. TUNE Select Knob

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

4. Adjustment mode select(A.MODE) Button

Pressing the A. MODE button changes the BASS, MIDDLE, 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.

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 MIDDLE, 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).

5. SEEK Select Button (Automatic Channel Selection)

Press the SEEK select button. When the (^ SEEK) side is pressed, the unit will automatically tune to the next higher frequency and when the (TRACK v) side is pressed, it will automatically tune to the next lower frequency.

6. Best Station Memory (BSM) Button

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

7. EQ Button

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

CLASSIC → POPS → ROCK → JAZZ →DEFEAT

8. PRESET STATION Select Buttons

Six (6) 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:

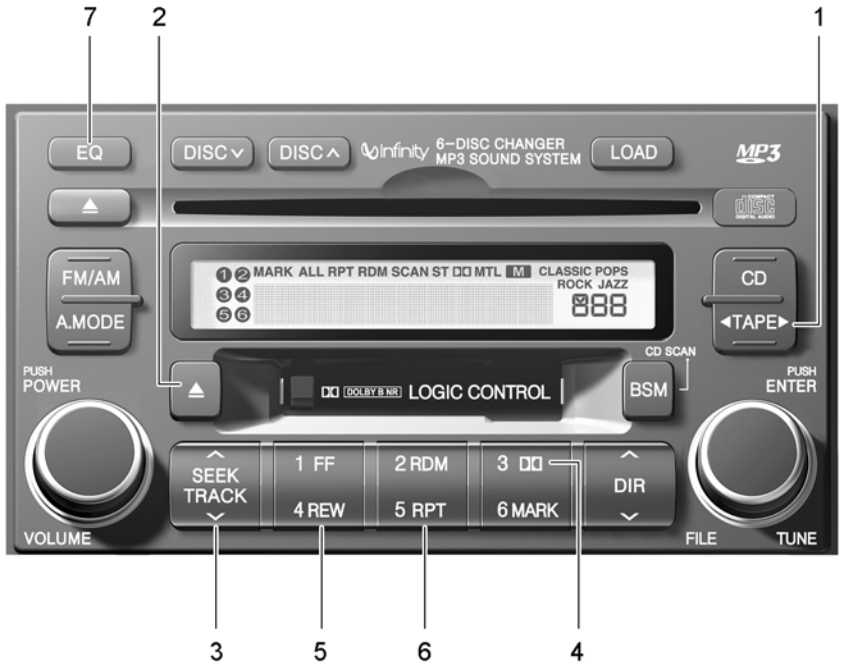
- o Press AM(MW, LW)/FM selector to set the band for AM(MW, LW), FM1 and FM2.
- o Select the desired station to be stored by seek or manual tuning.
- o Determine the preset station select button you wish to use to access that station.
- o Press the station select button for more than two seconds. A select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

CAUTION

- **o Do not place beverages close to the audio system. The audio system 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.**

M465C01TG-GAT

CASSETTE TAPE PLAYER OPERATION (M465) (If Installed)



M465C01TG

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

M465D01TG-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.
- Push the TAPE button to turn on that function without pushing Power ON/OFF control knob.

2. TAPE EJECT Button

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

3. AUTO MUSIC Search 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.

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

4. 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.

5. FF/REW Button

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

6. REPEAT Button

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

7. EQ Button

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

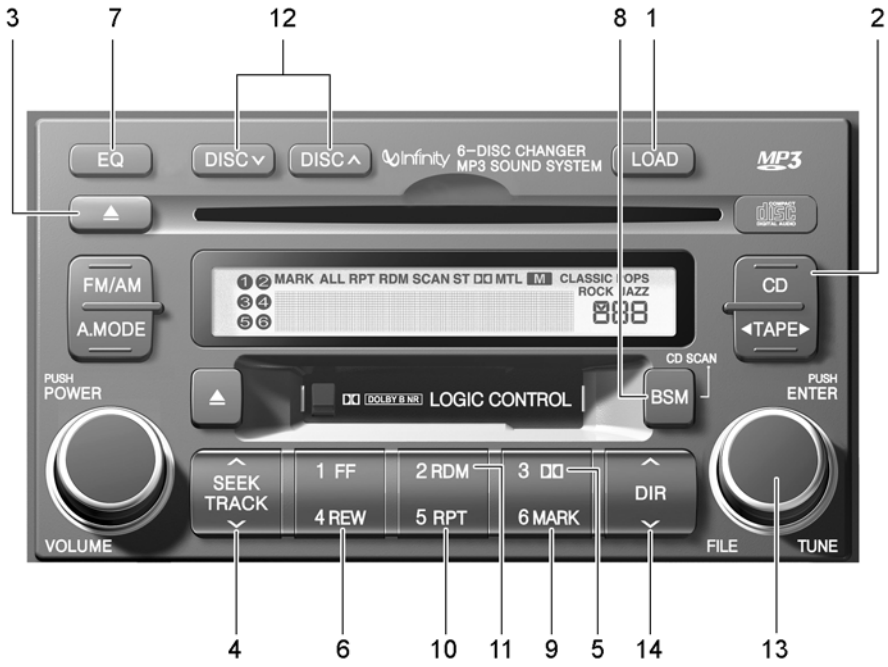
CLASSIC → POPS → ROCK → JAZZ → DEFEAT

CAUTION

- 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.

M465E01TG-GAT

COMPACT DISC PLAYER OPERATION (M465) (If Installed) - Compatiable with MP3/WMA



M465E01TG

1. LOAD Button
2. AUDIO/MP3 CD Select Button
3. CD EJECT Button
4. TRACK UP/DOWN
5. SCROLL
6. FF/REW Button
7. EQUALIZER (EQ) Button
8. SCAN
9. BOOKMARK (MARK) Button
10. REPEAT (RPT) Button
11. RANDOM (RDM) Button
12. DISC UP/DOWN Button
13. FILE SEARCH Knob
14. CHANGE DIRECTORY (DIR) Button

M465F01TG-GAT

1. LOAD Button

This compact disc player will accommodate up to six compact discs.
To insert one disc into the player, do the following:

1. Press and release the LOAD Button.
2. Green light on the slot will be illuminated and the lowest number of empty slot will blink on the display. After "WAIT" is displayed on the LCD, the slot will open with "LOAD" displayed on the LCD.
3. Insert a disc partway into the slot, label side up. The player will pull the disc in. When the disc is inserted, the disc will begin to play automatically.

NOTE:

- **The disc can be only inserted while the green light is blinking on the slot.**
- **This CD player is suitable only for 12 cm discs, do not use irregular shaped CDs.**

To insert multiple discs into the player, do the followings:

1. Press and hold the LOAD button for one second or more. You will then hear a beep sound and the green light on the slot will be illuminated, and the numbers of empty disc will blink on the display.
2. After "WAIT" is displayed on the LCD with the lowest number of empty slot blinking, the slot will open with "LOAD" displayed on the LCD.
3. Insert a disc partway into the slot, label side up. The player will pull the disc in. Once the disc is loaded, the numbers of the empty disc will blink on the display continuously. If the next "DISC NO." is displayed when the slot is illuminated, you can then load another disc.
4. Load the remaining disc by following the same procedures 1 and 2. When you finished loading 6 discs, the CD player will begin to play the last CD loaded.
5. To load more than one disc but less than six, complete Steps 1 and 2. When you have finished loading discs, press LOAD button to cancel the loading function or wait for 10 seconds. The CD player will begin to play the last CD loaded. As each CD starts to play, the DISC number will appear on the display.

NOTE:

The disc player takes up to six discs. Do not try to load more than six.

2. Audio/MP3 CD Select Button

- Press the CD Button to start CD playback, during radio operation or cassette tape playing.
- When discs are in the CD deck, if you press the CD button, the CD player will begin playing even if the radio or cassette player is being used.
- The CD player can be used when the ignition switch is in either the "ON" or "ACC" position.

3. CD EJECT Button

- o When the EJECT button is pressed with a CD loaded, the CD will eject.
- o To eject all of the discs, press this button for one second or more.

4. TRACK UP/DOWN

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

5. SCROLL

Press the button and you can check the file title more than 16 characters on MP3 CD. The button doesn't work on file title less than 16 characters.

6. FF/REW Button

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

7. EQUALIZER (EQ) Button

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

CLASSIC → POPS → ROCK → JAZZ → DEFEAT

8. SCAN

- o Press the SCAN button to playback the first 10 seconds of each track.
- o Press the SCAN button again within 10 sec. when you have reached the desired track.
- o To playback the first 10 seconds of each track in the selected folder, Press the SCAN button within a second. (MP3 CD only)
- o To playback the first 10 seconds of each file in the selected DISC (MP3 CD only), when press SCAN button for one second or more.

9. BOOKMARK (MARK) Button

When the CD player unit is operating, the desired track on the disc can be bookmarked by using the MARK button.

- o Press the MARK button for more than one second to bookmark the desired track. "M" will be displayed on the LCD and "MEMORY NO." will display for approximately five seconds with beep sound. To play the bookmarked tracks, press the MARK button within one second and select the book-marked track to play.
- o To erase a bookmarked track, press the MARK button for more than one second. This will erase the bookmark with beep sound.

If you want to delete all tracks stored on Mark Memory, press CD button in the Mark Play mode for more than one second. You will hear a beep sound and all tracks will be deleted from Mark Memory with "MARK DELETE ALL" displayed on the LCD.

NOTE:
Tracks stored on Mark Memory will be automatically erased after you eject CDs that contain those tracks.

10. REPEAT (RPT) Button

- To repeat the track you are currently listening to, press the RPT button. To cancel, press it again. If it pressed for more than one second at this time, it will be repeated all tracks.
- To repeat the music within currently played folder, press the RPT button for more than one second. Then it will be repeated in sequential order within the currently played folder. To cancel, press it again. (MP3 CD only)
- 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.

11. RANDOM (RDM) Button

- For listen to the music in random order, press the RDM Button with beep sound for more than one second. To cancel, press it again.
- For listen to the music within the currently played folder in random order, press the RDM Button within one second. To cancel, press it again within one second. If it pressed for more than one second, it will be played all in random order within currently played CD (MP3 CD only).

12. DISC UP/DOWN Button

- By pressing "DISC ∧"/"DISC ∨" while CD changer is playing, you can move to the previews/next disc and playback automatically begins.
- If any of the slots does not contain a CD, your car audio will skip empty slot and plays only slot that contains a CD. When switching CD's, the LCD displays the selected CD's number.

13. FILE SEARCH Knob(TUNE SELECT Knob)

- You can move through the track by turning the FILE SEARCH knob clockwise or counterclockwise.
- After moving the desired file, press the FILE SEARCH knob to playback in the selected file.
- If you do not press the FILE SEARCH knob within five seconds, the file searching function will be released.

14. CHANGE DIRECTORY(DIR) Button

- You can move through the folder by pushing the DIR button to up (∧ DIR) and down (DIR ∨).
- After moving the desired folder, press the FILE SEARCH knob to play back in the the selected folder. If you do not press the FILE SEARCH knob within 5 seconds, the folder searching function will be released. It is not operated in a single folder.

NOTE:

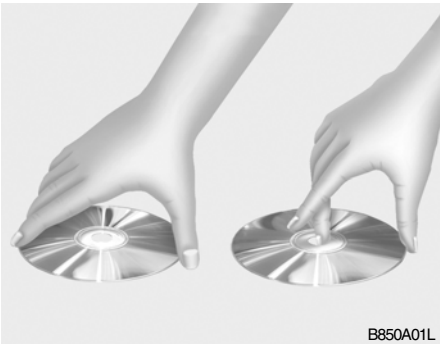
- To assure proper operation of the unit, keep the vehicle interior temperature within a normal range by using the vehicle's air conditioning or heating system.
- When replacing the fuse, replace it with a fuse having the correct capacity.
- All stored bookmarks are all erased when the car battery is disconnected or power to the vehicle is lost. If this occurs, the bookmarks will have to be reset.
- Do not add any oil to the rotating parts. Keep magnets, screwdrivers and other metallic objects away from the tape mechanism and head.

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 com- pact 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.
- 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.
- Avoid using recorded compact discs in your audio unit. Original compact discs are recommended.
- The unit is not sure of playing CD-RW (Rewritable).

B850A02F-AAT

Proper Handling



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

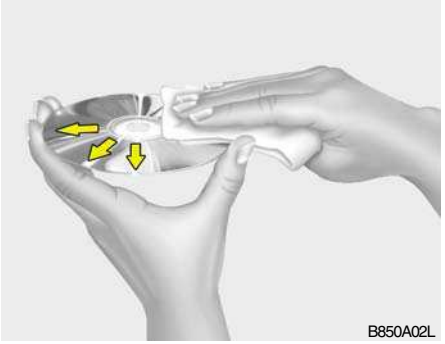
Damaged Disc

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

Storage

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

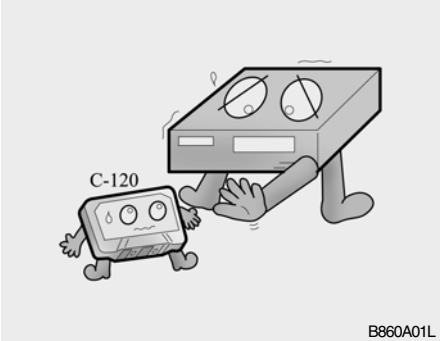
Keep Your Discs Clean



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

CARE OF CASSETTE TAPES

B860A01A-AAT



B860A01L

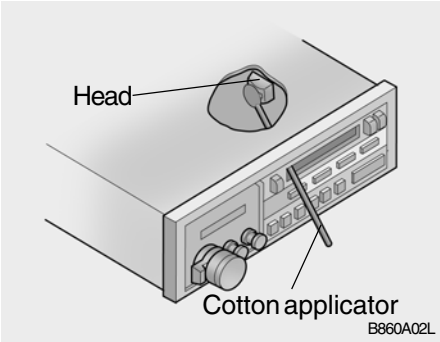
Proper care of your cassette tapes will extend the tape life and increase your listening enjoyment. Always protect your tapes and cassette cases from direct sunlight and severely cold and dusty conditions. When not in use, cassettes should always be stored in the original protective cassette case. When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

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

B860A01TG

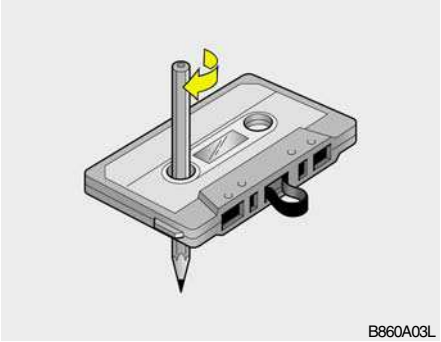
- o Be sure that the cassette label is not loose or peeling off or tape ejection may be difficult.
- o Never touch or soil the actual audio tape surfaces.
- o Keep all magnetized objects, such as electric motors, speakers or transformers away from your cassette tapes and tape player unit.
- o Store cassettes in a cool, dry place with the open side facing down to prevent dust from setting in the cassette body.

o Avoid repeated fast reverse usage to replay one given tune or tape section. This can cause poor tape winding to occur, and eventually cause excessive internal drag and poor audio quality in the cassette. If this occurs, it can sometimes be corrected by fast winding the tape from end to end several times. If this does not correct the problem, do not continue to use the tape in your vehicle.



o The playback head, capstan and pinch rollers will develop a coating of tape residue that can result in deterioration of sound quality, such as a wavering sound. They should be cleaned monthly using a commercially available head cleaning tape or special solution available from audio specialty shops. Follow the supplier's directions carefully and never oil any part of the tape player unit.

o Always be sure that the tape is tightly wound on its reel before inserting in the player. Rotate a pencil in the drive sprockets to wind up any slack.



NOTE:

Look at a tape before you insert it. If the tape is loose, tighten it by turning one of the hubs with a pencil or your finger.

If the label is peeling off, do not put it in the drive mechanism.

Do not leave tapes sitting where they are exposed to heat or high humidity, such as on top of the dashboard or in the player.

If a tape is exposed to excessively hot or cold, let it reach a moderate temperature before putting it in the player.

ANTENNA

B870D01Y-GAT

Glass Antenna

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

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 antenna elements.**
- **Avoid adding metallic coating such as Ni, Cd, and so on. These can disturb receiving AM and FM broadcast signals.**

DRIVING YOUR HYUNDAI

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2

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 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 any other obstructions.

BEFORE STARTING THE ENGINE

C020A01A-AAT

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.

TO START THE ENGINE

C030A01TG-GAT

COMBINATION IGNITION SWITCH

- o Place the shift lever in "P" (park) and depress the brake pedal fully.
- o 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.

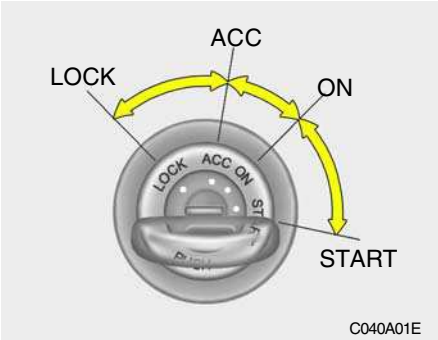
NOTE:

For safety, the engine will not start if the shift lever is not in "P" or "N" position.

KEY POSITIONS

C040A01A-AAT

WARNING:
The engine should not be turned off nor 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, the some electrical accessories (radio etc.) may be operated.

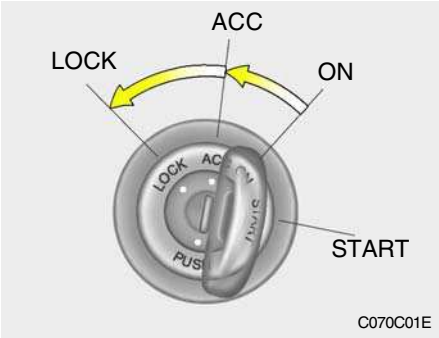
o "LOCK"

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

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

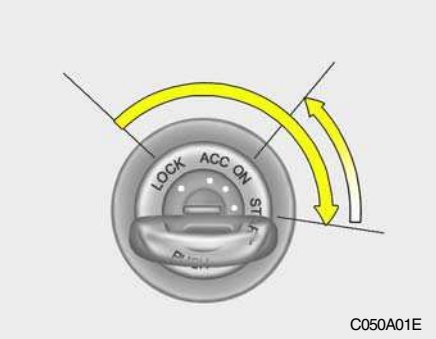
C070C01A-AAT

To remove the ignition key



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

C050A01A-AAT



C050A01E

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.

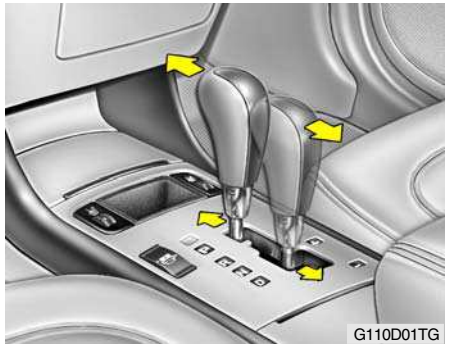
C050B01TG-GAT

Normal Conditions:

The Starting Procedure:

1. Insert key, and fasten the seat belt.
2. Depress the brake pedal fully and place the selector lever 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. Turn the ignition key to the "START" position and release it when the engine starts.

C090A01TG-GAT

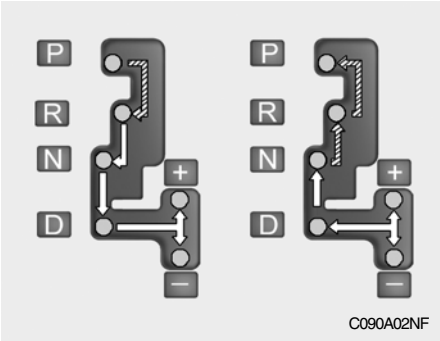


G110D01TG

The highly efficient Hyundai automatic transaxle has five forward speeds and one reverse speed. The individual speeds are selected automatically, depending on the position of the speed selector lever. The selector lever has 2 gates; the main gate and the manual gate.

NOTE:
For information on manual gate operation, refer to "Sports Mode".

In the main gate, the selector lever has 4 positions.



NOTE:

Depress the brake pedal when shifting.

The selector lever can be shifted freely.

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

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

The indicator lights in the instrument cluster indicate the selector lever position when the ignition is switched "ON". During sports mode operation, the gear currently in use displays in the numeral indicator.

C090B02A-AAT

The function of each position is as follows:

o P (Park):

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

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

C090C01A-AAT

o R (Reverse):

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

C090D02A-AAT

o N (Neutral):

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

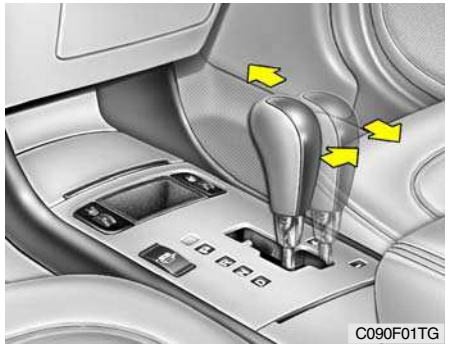
C090E01TG-GAT

o D (Drive):

Use for normal driving. The transaxle will automatically shift through a five gear sequence.

C090F01TG-GAT

Sports Mode



Whether the vehicle is stationary or in motion, sports mode is selected by pushing the selector lever from the "D" position into the manual gate. To return to "D" range operation, push the selector lever back into the main gate. In sports mode, moving the selector lever backwards and forwards can make rapid gearshifts simple. In contrast to a manual transaxle, the sports mode allows gearshifts with the accelerator pedal depressed.

UP (+) : Push the lever forward once to shift up one gear.

DOWN (-) : Pull the lever backwards once to shift down one gear.

SKIP : By rapidly moving the selector forward or backward twice, it is possible to skip one gear, i.e. 1st to 3rd or 3rd to 1st .

CAUTION:

- **In sports mode, the driver must execute upward shifts in accordance with prevailing road conditions, taking care to keep the engine speed below the red zone.**
- **For engine protection, upward shifts are made automatically when the engine rpm reaches the red zone.**
- **By rapidly moving the selector lever backwards (-) twice it is possible to skip one gear, i.e., 3rd to 1st, 4th to 2nd or 5th to 3rd. Since sudden engine braking and/or rapid acceleration can cause a loss of traction, however, downshifts must be made carefully in accordance with the vehicle's speed.**

NOTE:

- o In sports mode, only the five forward gears can be selected. To reverse or park the vehicle, move the selector lever to the "R" or "P" position as required.
- o In sports mode, downward shifts are made automatically when the vehicle slows down. When the vehicle stops, 1st gear is automatically selected.
- o To maintain the required levels of vehicle performance and safety, the system may not execute certain gearshifts when the selector lever is operated.
- o Before driving away from a stop on a slippery road, push the selector lever forward into the +(UP) position. This causes the transaxle to shift into 2nd gear which is better for smooth driving away on a slippery road. Push the selector lever to the -(DOWN) side to shift back to 1st gear.

C090H01L-GAT

NOTE:

- o For smooth and safe operation, depress the brake pedal when shifting from "Neutral" position or "Park" position to a forward or reverse gear.
- o The ignition key must be in the "ON" position and the brake pedal fully depressed in order to move the shift lever from the "P" (Park) position to any of the other positions.
- o It is always possible to shift from "R", "N", or "D" position to "P" position. The vehicle must be fully stopped to avoid transaxle damage.

C090I03L-GAT

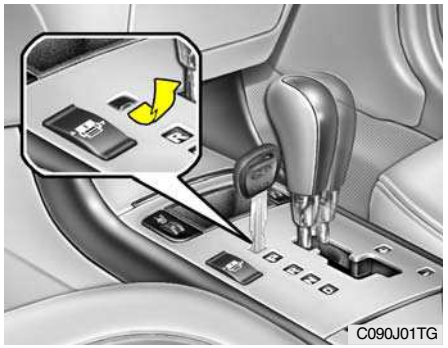
CAUTION:

- o Shift into "R" and "P" position only when the vehicle has completely stopped.
- o Do not accelerate the engine in reverse or any of the forward positions with the brakes applied.
- o Always apply the footbrake when shifting from "P" or "N", to "R" or "D"position.
- o 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.
- o 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 while in Sport mode 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.**

C090J01NF-GAT

SHIFT LOCK RELEASE (If Installed)



If you cannot move the shift lever from the "P" (Park) position to any other position with the brake pedal fully depressed and the ignition key in the "ON" position, remove the cap on the console and with a thin object such as a flat-head screwdriver, push the shift lock release button down. Then, with the brake pedal depressed, move the shift lever to the desired position, and then the shift lock release button will automatically return to its original position after shifting from the "P" (Park) position. Then, reinstall the cap.

If you need to use the shift lock release, it could mean your car is developing a problem. Have the car checked by your Hyundai dealer.

C090N03O-AAT

Good Driving Practices

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

WARNING:

- **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, an unbelted person is significantly more likely to die than a person wearing a seat belt.**
- **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.**
- **Excessive depressing of the accelerator pedal in slippery driving conditions such as pulling out of deep snow or mud may cause severe damage to the transaxle. Rocking the vehicle is not recommended. Rather, use an appropriate towing method.**

ANTI-LOCK BRAKE SYSTEM (ABS)

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 System) 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 System) may be longer than for those without it in the following road conditions. During these conditions the vehicle should be driven at reduced speeds.

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

The safety features of an ABS (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)

Left-Hand Drive type

Right-Hand Drive type

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.

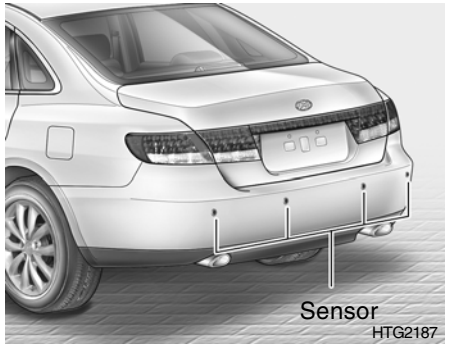
Should there be any unusual conditions in the device while driving, ESP-OFF indicator illuminates as a warning.
If ESP-OFF indicator illuminates, pull your car to a safe place and stop the engine.
Then, start the engine again to check if the ESP-OFF indicator goes out.

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

BACK WARNING SYSTEM

C400A01P-GAT

(If Installed)



The back warning system assists the driver during backward movement of the vehicle by chiming if any object is sensed within the distance of 1200 mm (47 in.) behind the vehicle. This system is only a supplemental system.

NOTE:

- **Back warning system should only be considered as a supplementary function. The driver must check the rearview.**
- **The audible warning signal can be different depending on the objects.**
- **The audible warning signal might not activate in case the sensor is frozen or stained with dirt or mud.**
- **There is a chance of malfunction of the back warning system when driving in uneven surfaces such as woods, gravel road, jagged road, or gradient.**
- **Do not push, or scratch the surface of the sensor. This will likely damage the covering.**
- **The sensor system might not recognize sharp objects, thick winter clothes or sponges which absorb the frequency.**
- **Clean dirty sensors with a soft sponge and clean water.**
- **When more than two objects are sensed at the same time, the closest one will be recognized first.**

- **Such objects may not be detected by the system at very close range (approximately 300 mm).**

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

C400B01NF-GAT

Operation of the back warning system

Operating condition:

- This system will activate when backing up with the ignition key "ON".
- Sensing distance in backing up is approximately 1200 mm (47 in.).

	1st Warning	2nd Warning	3rd Warning
Sensing Distance	approx. 1200 mm to 810 mm from the rear bumper	approx. 800 mm to 410 mm from the rear bumper	approx. 400 mm
Warning Sound	Buzzer beeps intermittently.	Buzzer sounds beeps more frequently.	Buzzer sounds continuously.

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 may can be dangerous! Your car will not stop as quickly if the brakes are wet. Wet brakes cause the car to pull to one side. To dry the brakes, apply the brakes lightly until the braking action returns to normal, taking care to keep the car under control at all times. If the braking action does not return to normal, stop as soon as it is safe to do so and call your Hyundai dealer for assistance.

- Don't coast down hills with the car out of gear. This is extremely hazardous. Keep the car in gear at all times, use the brakes to slow down, then shift to a lower gear so that engine braking will help you maintain a safe speed.
- Don't "ride" the brake pedal. Resting your foot on the brake pedal while driving can be dangerous because it can result in the brakes overheating and losing their effectiveness.
  It also increases the wear of the brake components.
- If a tire goes flat while you are driving, apply the brakes gently and keep the car pointed straight ahead while you slow down. When you are moving slowly enough for it to be safe to do so, pull off the road and stop in a safe place.
- If your car is equipped with an automatic transaxle, don't let your car creep forward. To avoid creeping forward, keep your foot 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 transaxle to overheat. Always use the brake pedal or parking brake.

DRIVING FOR ECONOMY

C140A01A-AAT

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

- Drive smoothly. Accelerate at a moderate rate. Don't make "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 of the original equipment tires. Failure to do so may adversely affect the safety and handling of your car. Furthermore, speeding, rapid acceleration, sudden brake applications, and sharp turns are potentially very hazardous practices.
During deceleration, use engine braking to the fullest extent. Sudden brake applications on snowy or icy roads may cause skids to occur. You need to keep sufficient distance between the vehicle in operation in front and your vehicle. Also, apply the brake gently. It should be noted that installing tire chains on the tire will provide a greater driving force, but will not prevent side skids.

NOTE:
Tire chains are not legal in all provinces. Check 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.

C160F01A-AAT

Check Spark Plugs and Ignition System

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

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 burning your fingers.

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.

USE OF LIGHTS

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

C190A01A-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, or other types of vehicles or apparatus may differ. Ask your Hyundai dealer for further details before towing.

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

C190B01S-AAT

Trailer Hitches

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

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

C190C02Y-GAT

Trailer Brakes

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

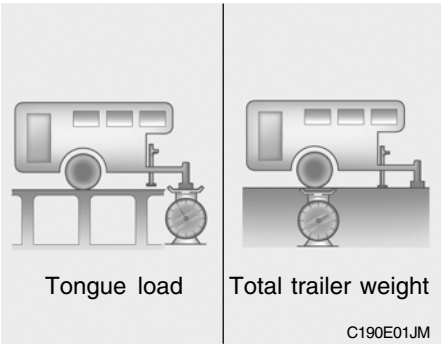
NOTE:
If you tow a trailer or vehicle, your car will require more frequent maintenance due to the additional load. See "Maintenance Under Severe Usage Conditions" on page 5-6.

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

C190D01A-GAT
Safety Chains

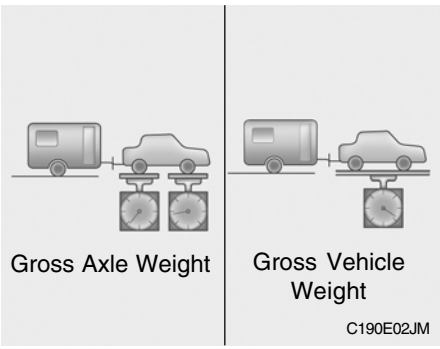
Should the hitch connection between your car and the trailer or vehicle you are towing fail, the trailer or vehicle could wander dangerously across other lanes of traffic and ultimately collide with another vehicle. To eliminate this potentially dangerous situation, safety chains, attached between your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

C190E01TG-GAT
Trailer Weight Limit



Tongue loads can be increased or decreased by re-distributing 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.

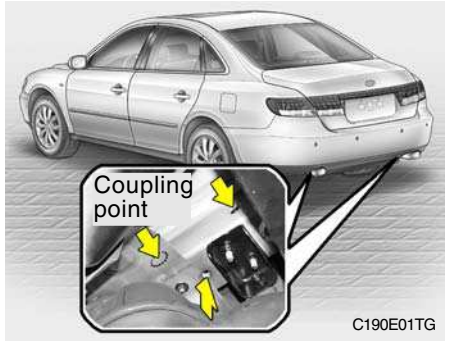
NOTE:
1. **Never load the trailer with more weight in the back than in the front. About 60% of the trailer load should be in the front half on the trailer and the remaining 40% in the rear.**



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 90 kg.**



5. **The maximum permissible overhang of the coupling point is 1,255 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	1800 (3968)	90 (198)
Without Brake	750 (1653)	-

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

C190F01A-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 and electrical charging performance, do not use fifth gear (manual transaxle) or overdrive (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 foot brake.

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 park or neutral and idle the engine at a higher speed.**

WHAT TO DO IN AN EMERGENCY

If the Engine Will not Start 3-2
Jump Starting 3-3
If the Engine Overheats 3-4
Spare Tire 3-5
If You Have a Flat Tire 3-6
Changing a Flat Tire 3-6
If Your Vehicle Must Be Towed 3-10
Emergency Towing 3-12
If You Lose Your Keys 3-13

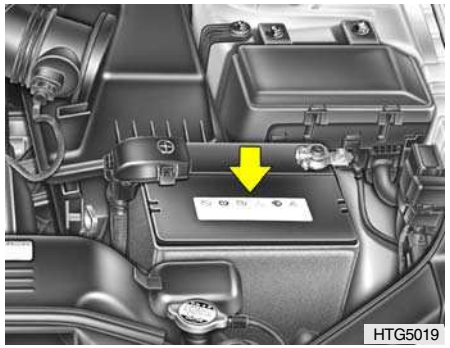
IF THE ENGINE WILL NOT START

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.

D010B01TG-AAT

If Engine Doesn't Turn Over or Turns Over Slowly



1. 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.

D010C01Y-AAT

If Engine Turns Over Normally but Does Not Start

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

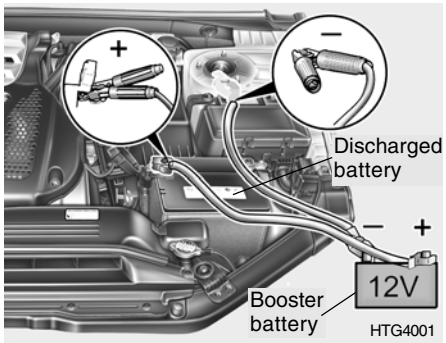
D010D01A-AAT

If Engine Stalls While Driving

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

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 clean 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 an open flame in the vicinity.
- o The battery being used to provide the jump start must be 12-volt. If you cannot determine that it is a 12-volt battery, do not attempt to use it for the jump start.
- 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 location shown in the illustration. 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

D030A01TG-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" 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 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 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 engine coolant leaking from the radiator, hoses or under the car. (If the air conditioning had been in use, it is normal for cold water to be draining from it when you stop).

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

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

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

6. If you cannot find the cause of the overheating, wait until the engine temperature has returned to normal. Then, if coolant has been lost, carefully add coolant to the reservoir (Page 6-8) to bring the fluid level in the reservoir up to the halfway mark.
7. Proceed with caution, keeping alert for further signs of overheating. If overheating happens again, call a Hyundai dealer for assistance.

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

SPARE TIRE

D040A01TG-GAT

The following instructions for the FULL SIZE spare tire should be observed:

Check inflation pressure as soon as practical after installing the spare tire, and adjust to the specified pressure. The tire pressure should be periodically checked and maintained at the specified pressure while the tire is stored.

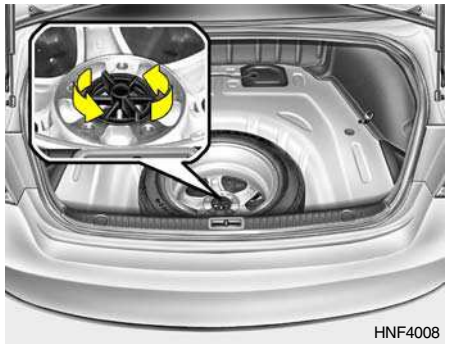
Spare Tire Pressure

Tire Size	Full Size
Inflation Pressure	210 kPa (30 psi)

D040B01TG-GAT

Handling the Spare Tire

1. Open the trunk lid.
2. Remove the luggage mat.
3. Take out the tool receptacle.


HNF4008

4. Turn the installation bolt counterclockwise to remove the spare tire.
5. After replacing the spare tire, install and tighten the bolt firmly with your fingers until there is no more play in the spare tire.

IF YOU HAVE A FLAT TIRE

D050A01TG-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".
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 according to the instructions provided as follows.

CHANGING A FLAT TIRE

D060A01TG-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" and that the parking brake is set, then:

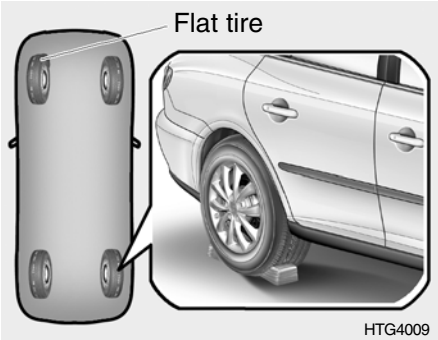
D060B01NF-AAT

1. Obtain Spare Tire and Tool

Take out the tool receptacle and turn the installation bolt counterclockwise to obtain spare tire from the trunk.

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.

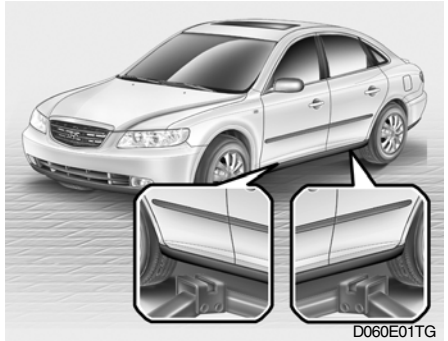
D060D01A-AAT

3. Loosen Wheel Nuts

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

D060E01A-AAT

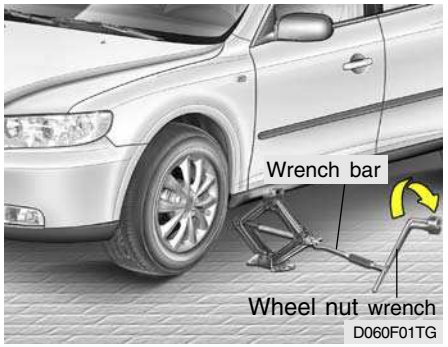
4. Put the Jack in Place



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

D060F02E-AAT

5. Raising the Car



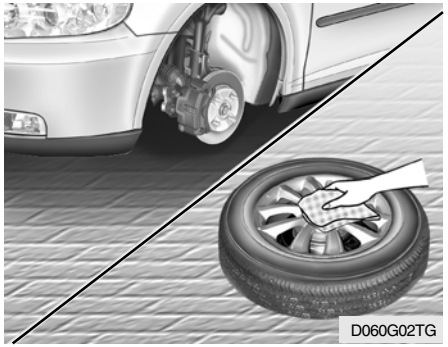
After inserting a wrench bar into the wheel nut wrench, install the wrench bar into the jack as shown in the drawing. To raise the vehicle, turn the wheel nut wrench clockwise. As the jack begins to raise the vehicle, double check that it is properly positioned and will not slip. If the jack is on soft ground or sand, place a board, brick, flat stone or other object under the base of the jack to keep it from sinking.
Raise the car high enough so that the fully inflated spare tire can be installed. To do this, you will need more ground clearance than is required to remove the flat tire.

WARNING:
Do not get under the car when it is supported by the jack! This is very dangerous as the jack 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

Use the wrench to loosen the wheel nuts, then 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.


D060G02TG

WARNING:
Wheels may have sharp edges. Handle them carefully to avoid possible severe injury. Before putting the wheel into place, be sure that there is nothing on the hub or wheel (such as mud, tar, gravel, etc.) that interferes with the wheel 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 come loose and cause the loss of a wheel. Loss of a wheel may result in loss of control of the vehicle. This may cause serious injury or death.

D060H02O-AAT

7. Reinstall Wheel Nuts

D060H01TG

To reinstall the wheel, 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

D060I01TG

Lower the car to the ground by turning the wheel nut wrench counterclockwise.

HTG4013

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-AAT

AFTER CHANGING WHEELS

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

IF YOUR VEHICLE MUST BE TOWED

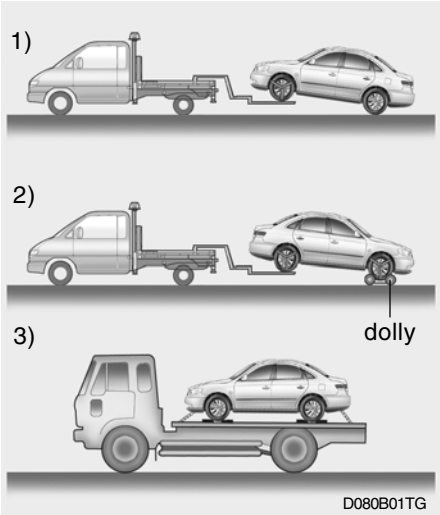
D080A01O-GAT

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.**

D080B01TG-GAT

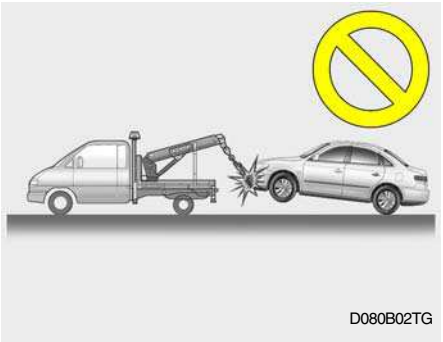
Towing the Vehicle



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.**

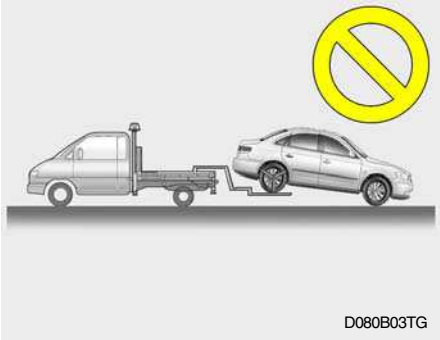
1) If the vehicle is being towed with the rear wheels on the ground, be sure the parking brake is released.

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.

CAUTION:

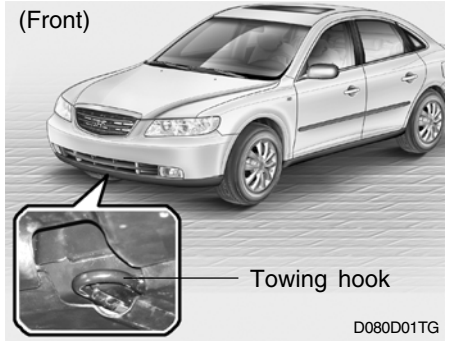


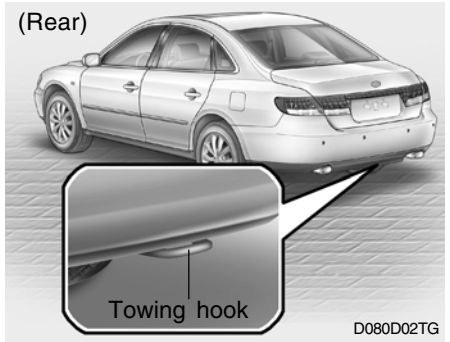
A vehicle with an automatic transaxle should never be towed from the rear with the front wheels on the ground. This can cause serious damage to the transaxle. Be sure to use a towing dolly under the front wheels.

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

D080D04A-GAT

Emergency Towing





For emergency towing when no commercial tow vehicle is available, attach a tow cable, chain or strap to one of the towing hooks under the front/rear of your car.

Do not attempt to tow your vehicle in this manner on any unpaved surface. This could result in serious damage to your car.
Nor should 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.

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

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 4-4
Cleaning the Interior 4-5

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 clean water and thoroughly dried.

E030A01A-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.

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:

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

E040A01A-AAT
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.

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 5-6
Explanation of Scheduled Maintenance Items 5-7

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-AAT
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 6-3.

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-GAT

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 5-6 of this section.

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.

F030B01TG-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									
1	ENGINE OIL & FILTER		R	R	R	R	R	R	R	R
2	DRIVE BELT (AUTO-TENSIONER, ALTERNATOR, P/STR'G, W/PUMP)			I		I		I		I
3	FUEL FILTER (MPI TYPE)					R				R
4	FUEL LINES, FUEL HOSES & CONNECTIONS		I	I	I	I	I	I	I	I
5	VAPOR HOSE & FUEL FILLER CAP		I	I	I	I	I	I	I	I
6	VACUUM HOSE		I	I	I	I	I	I	I	I
7	CRANKCASE VENTILATION HOSE				I			I		
8	AIR CLEANER FILTER		I	R	I	R	I	R	I	R
9	SPARK PLUGS (Leaded)		See Note (1)							
10	SPARK PLUGS (Unleaded-IRIDIUM COATED)		See Note (2)							
11	VALVE CLEARANCE		See Note (3)							
12	FUEL TANK AIR FILTER		I	I	R	I	I	R	I	I
13	ELECTRONIC THROTTLE CONTROL		See Note (4)							

Note : (1) For every 40,000 km : "R"
(2) For every 160,000 km : "R"
(3) For every 96,000 km or 48 months, whichever occurs first : "I"
(4) For every 20,000 km : "I"

F030C01TG-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 (Including coolant level adjustment)			I	I	I	I	I	I	I	I
2	COOLANT	European Community Only		See Note (1)							
		Except European Community		See Note (2)							
3	AUTOMATIC TRANSAXLE FLUID	European Community Only		I	I	I	I	I	R	I	I
		Except European Community		I	I	I	I	I	I	I	I
4	BRAKE HOSES AND LINES			I	I	I	I	I	I	I	I
5	BRAKE FLUID				I		I		I		I
6	REAR DISC BRAKE/LININGS, PARKING BRAKE				I		I		I		I
7	BRAKE PADS, CALIPERS AND ROTORS			I	I	I	I	I	I	I	I
8	EXHAUST PIPE AND MUFFLER			I	I	I	I	I	I	I	I
9	SUSPENSION MOUNTING BOLTS			I	I	I	I	I	I	I	I
10	STEERING GEAR BOX, LINKAGE & BOOTS/ LOWER ARM BALL JOINT, UPPER ARM BALL JOINT			I	I	I	I	I	I	I	I
11	POWER STEERING PUMP, BELT AND HOSES			I	I	I	I	I	I	I	I
12	DRIVE SHAFTS AND BOOTS			I	I	I	I	I	I	I	I
13	AIR CONDITIONING REFRIGERANT			I	I	I	I	I	I	I	I
14	AIR CONDITIONER FILTER (FOR EVAPORATOR AND BLOWER UNIT)			R	R	R	R	R	R	R	R

Note : (1) For the first time, replace the coolant at 90,000 km or 60 months.
After that, replace it every 45,000 km or 24 months.
(2) For every 45,000 km or 24 months, whichever occurs first : "R"

6 MAINTENANCE UNDER SEVERE USAGE CONDITIONS

F040A01TG-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		R	EVERY 7,500 KM OR 6 MONTHS	A, B, C, D, E, F, G, H, I, K
AIR CLEANER FILTER		I	MORE FREQUENTLY	C, E
SPARK PLUGS		I	MORE FREQUENTLY	B, H
BRAKE PADS, CALIPERS AND ROTORS		I	MORE FREQUENTLY	C, D, G, H
REAR DISC BRAKE/LININGS, PARKING BRAKE		I	MORE FREQUENTLY	C, D, G, H
STEERING GEAR BOX, LINKAGE & BOOTS/ LOWER ARM BALL JOINT, UPPER ARM BALL JOINT		I	MORE FREQUENTLY	C, D, E, F, G, H, I
DRIVE SHAFTS AND BOOTS		I	EVERY 15,000 KM OR 6 MONTHS	C, D, E, F, H
AUTOMATIC TRANSAXLE FLUID	European Community Only	R	EVERY 45,000 KM	A, C, E, F, G, H, I
	Except European Community		EVERY 40,000 KM	
AIR CONDITIONER FILTER (FOR EVAPORATOR AND BLOWER UNIT)		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.

F060B01NF-GAT

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.

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.

F060D01A-AAT

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.

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 filter is replaced.

F060J01A-AAT

o Spark Plugs

Make sure to install new spark plugs of the correct heat range.

F060N02E-AAT

o Valve Clearance

Inspect excessive valve noise and/or engine vibration and adjust if necessary. A qualified technician should perform the operation.

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.

F070E04A-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.

F070H01TG-AAT

o Rear Disc Brake / Linings, Parking Brake

Check the rear disc brake and linings for scoring, burning, leaking fluid, broken parts, and excessive wear. Inspect the parking brake system including the parking brake pedal 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.

F070M01Y-AAT

o Steering Gear Box, Linkage & Boots/Lower Arm Ball Joint, Upper Arm Ball Joint

With the vehicle stopped and engine off, check for excessive free-play in the steering wheel.
Check the linkage for bends or damage. Check the dust boots and ball joints for deterioration, cracks, or damage. Replace any damaged parts.

F070N01A-AAT

o Power Steering Pump, Belt and Hoses

Check the power steering pump and hoses for leakage and damage. Replace any damaged or leaking parts immediately. Inspect the power steering belt for evidence of cuts, cracks, excessive wear, oiliness and proper tension. Replace or adjust it if necessary.

F070P01A-AAT

o 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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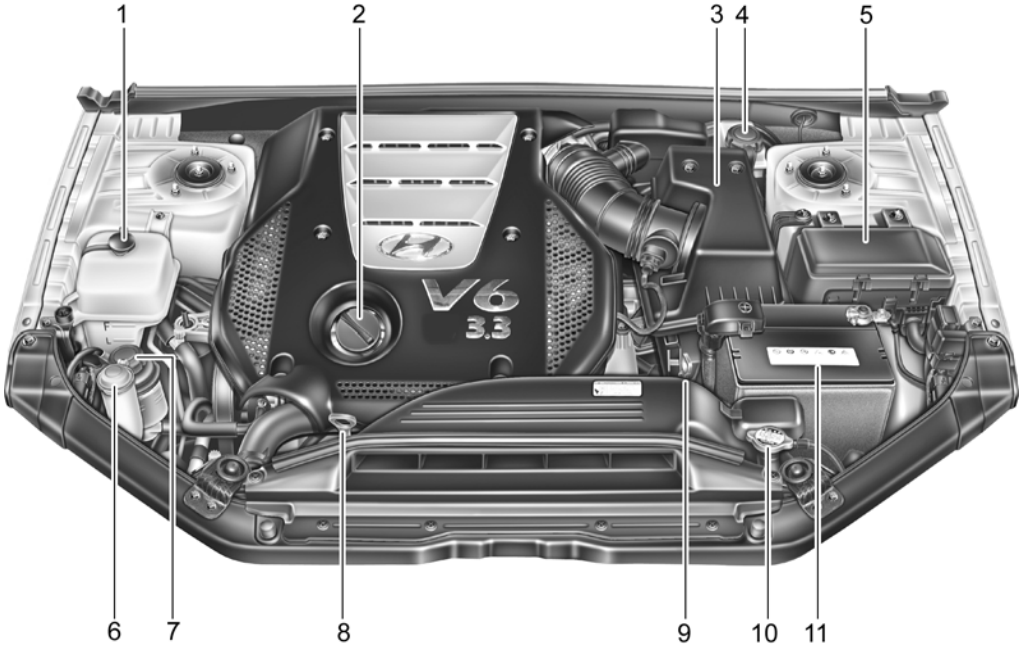
2 ENGINE COMPARTMENT

G010A01TG-GAT



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.

G010A01TG

1. Coolant reservoir cap
2. Engine oil filler cap
3. Air cleaner
4. Brake fluid reservoir
5. Fuse and relay box
6. Windshield washer fluid reservoir
7. Power steering fluid reservoir
8. Engine oil level dipstick
9. Automatic transaxle oil level dipstick
10. Radiator cap
11. Battery

GENERAL CHECKS

G020A01NF-GAT

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 Engine coolant level
- o Windshield washer fluid level
- o Accessory drive belt condition
- o Engine coolant hose condition
- o Fluid leaks (on or below components)
- o Power steering fluid level
- o Battery condition
- o Air filter condition
- o Immediate repairing when engine trembling occurs
- o Limit to restart more than 3 times when engine cannot start

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)

G020C01TG-AAT

Vehicle Interior

The following should be checked each time when the vehicle is driven:

- o Lights operation
- o Windshield wiper operation
- o Horn operation
- o Defroster, heating system operation (and air conditioning, If Installed)
- o Steering operation and condition
- o Mirror condition and operation
- o Turn signal operation
- o Accelerator pedal operation
- o Brake operation, including parking brake
- o 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.

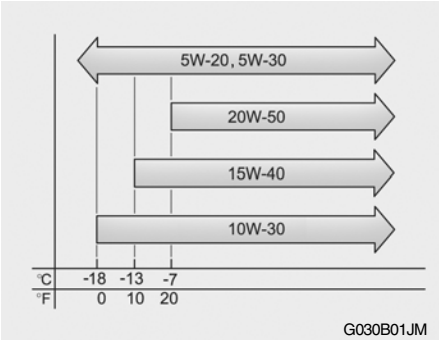
WARNING:

- **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 ininjury. 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

G030A02O-GAT

Recommended Oil



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.

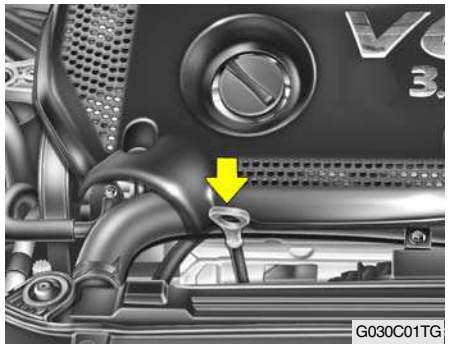
API SJ, SL or ABOVE,
ILSAC GF-3 or ABOVE

NOTE:

- **For good fuel economy, SAE 5W-20 (5W-30), ILSAC GF-3 engine oil is preferred regardless of regional option and engine variation.**
- **If SAE 5W-20, ILSAC GF-3 engine oil is not available, secondary recommended engine oil for corresponding temperature range can be used.**

G030C02JM-AAT

To Check the Oil Level



Before checking the oil, warm up the engine to the normal operating temperature and be sure your car is parked on level ground. Turn the engine off.

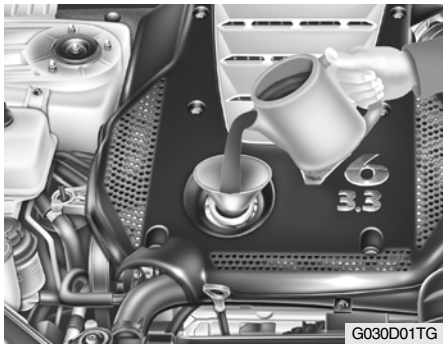
Wait about five minutes, then remove the dipstick, wipe it off, fully reinsert the dipstick and withdraw it again. Then note the highest level the oil has reached on the dipstick. It should be between the upper ("F") and lower ("L") range.

WARNING:

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

G030D01TG-GAT

Adding Oil



G030D01TG

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 of oil.

CAUTION:
Slowly pour the recommended oil using by a funnel. Do not overfill 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:
Always dispose of used engine oil in an environmentally acceptable manner. It is suggested that it be placed in a sealed container and taken to a service station for reclamation. Do not pour the oil on the ground or put it 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;

- o 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.

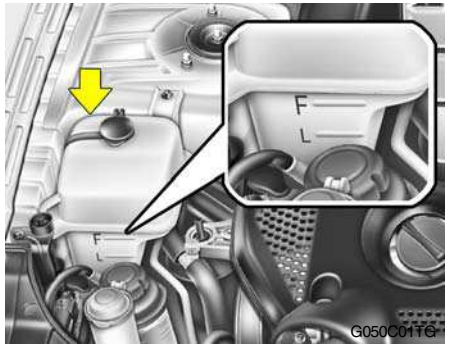
CAUTION:
Never allow the concentration of antifreeze to exceed the 60% level or go below the 35% level, or damage to the cooling system may result.

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



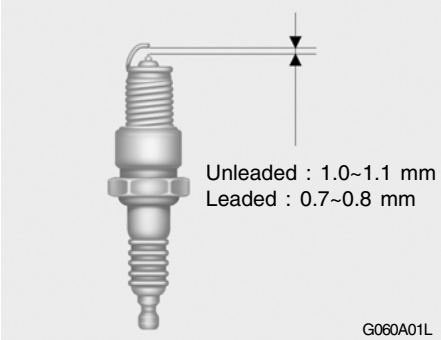
The coolant level can be seen on the side of the plastic coolant reservoir. The level of the coolant should be between the "L" and "F" lines on the reservoir when the engine is warm with it at idle . If the level is below the "L" mark, add engine coolant to bring it up to "F". If the level is low, inspect 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.

SPARK PLUGS

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.

G060A01TG-GAT



Your engine was originally equipped with Iridium-tipped spark plugs (For unleaded only).
Iridium-tipped spark plugs will last longer than conventional type spark plugs and can be identified by blue lines on the ceramic shell.

NOTE:
Do not clean or regap Iridium-tipped spark plugs.

G060B01TG-GAT

Replacing the Spark Plugs

The spark plugs should be changed at the intervals specified in the vehicle maintenance schedule in Section 5 or whenever engine performance indicates they should be changed. Symptoms that suggest poor spark plug performance include engine misfiring under load, loss of fuel economy, poor acceleration, etc. When spark plugs are replaced, always use spark plugs recommended by Hyundai. The use of other spark plugs can result in loss of performance, radio interference or engine damage.

NOTE:
- **It is recommended that spark plugs should be changed by an authorized Hyundai dealer.**
- **When replacing the spark plugs, always use the genuine parts recommended.**

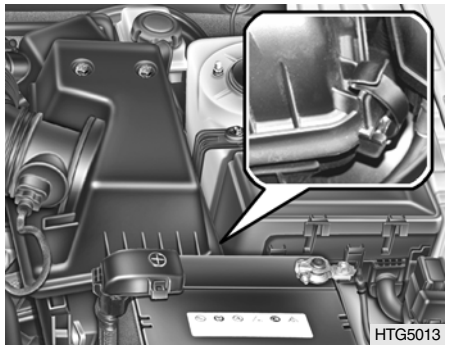
Recommended Spark Plugs:

Type	Remark
IFR5G-11*	Unleaded
BKR5ES	Leaded

* Iridium coated.

CHANGING THE AIR CLEANER FILTER

G070A03Y-AAT



The replacement of the 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 using a proper air cleaner 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.**

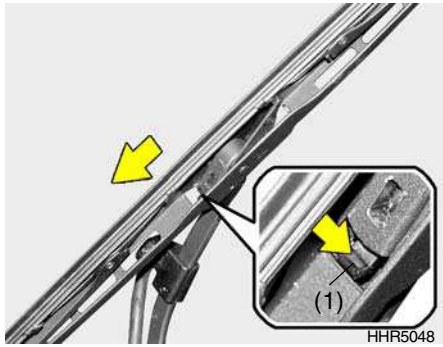
G080B01TG-GAT

REPLACING THE WIND-SHIELD WIPER BLADES

Replacing driver's side wind-shield wiper blade

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

To remove the wiper blade

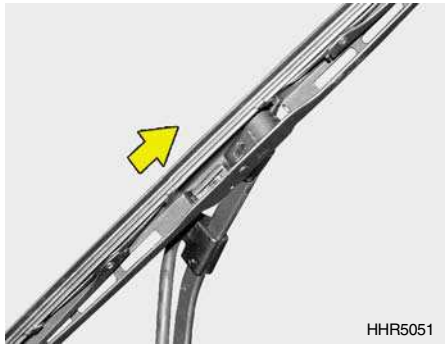


1. Push down the wiper blade with the locking clip (1) pressed to detach it from the wiper arm.

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

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.



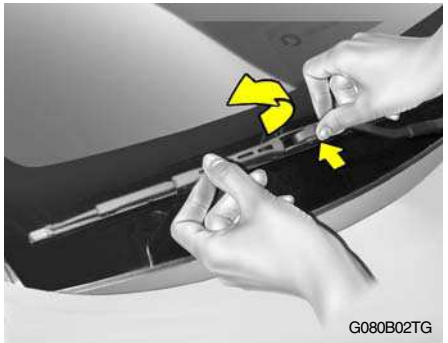
2. Pull up the wiper blade until you hear an audible "click" to engage in the end of the wiper arm.

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

Replacing passenger's side windshield wiper blade

1. Place the windshield wiper switch to the "OFF" position, raise the windshield wiper arm about 10 mm from the windshield as illustrated.

NOTE:
Be careful not to scratch the windshield wiper arm against the hood.



2. Remove the windshield wiper blade with the "LOCK" lever pressed.

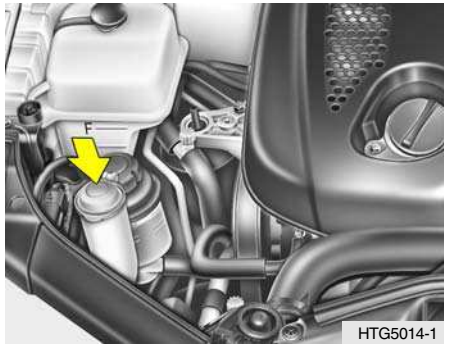
3. Replace with a new wiper blade.

Alternatively, you can replace the windshield wiper blade as follows.

1. Turn the ignition switch "ON" and place the windshield wiper switch to the "LO" position. Turn the ignition switch "OFF" when the windshield wiper is in the fully up position. The windshield wiper will stop as illustrated.
2. Replace the wiper blade as described in the section of the driver's side replacement.

FILLING THE WASHER RESERVOIR

G090A01NF-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 bad weather or whenever the washer system is in more frequent use.
The capacity of the washer reservoir is 4.0 liters (3.2 U.S. quarts).

CAUTION:

- **Radiator antifreeze (engine coolant) should not be used in the washer system because it will damage the car's finish.**
- **The washer lever should not be pulled and 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 FLUID (AUTOMATIC)

G110A01E-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 red color. As driving distance increases, the fluid color turns darkish red gradually. It is a 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.

G110B04A-AAT

Recommended Fluid

Your Hyundai automatic transaxle is specially designed to operate with Hyundai Genuine ATF SP-III, DIAMOND ATF SP-III, SK ATF SP-III or other brands approved by Hyundai Motor Co., Damage caused by a nonspecified fluid is not covered by your new vehicle limited warranty.

G110C01TG-GAT

Transaxle Fluid Capacity

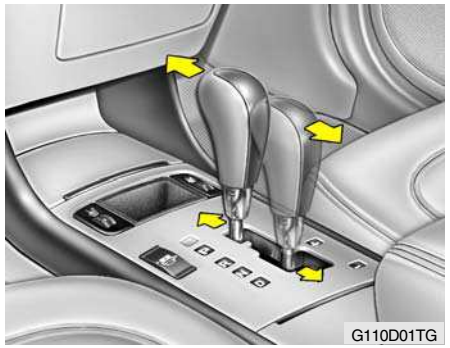
The fluid capacity of the automatic transaxle is 10.9 liters.

WARNING:
The transaxle fluid level should be checked when the engine is at normal operating temperature. This means that the engine, radiator, radiator hose, exhaust system, etc., are very hot. Exercise great care not to burn yourself during this procedure.

G110D02L-AAT

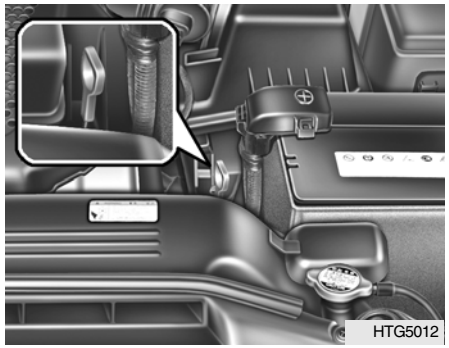
To Check the Transaxle Fluid Level

Park the car on level ground with the parking brake engaged. When the transaxle fluid level is checked, the transaxle fluid should be at normal operating temperature and the engine idling.

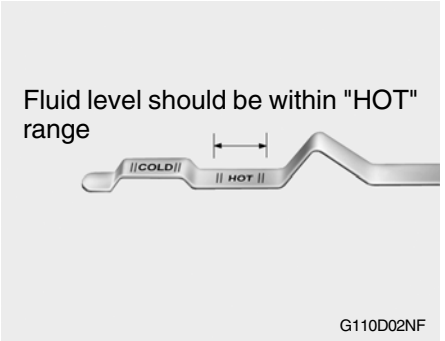

G110D01TG

While the engine is idling, apply the brakes and move the gear selector lever from "P" to each of its other positions — "R", "N", "D" — and then return to "N" or "P". With the engine still idling:

1. Open the hood, being careful to keep hands, long hair and clothing clear of any moving parts.


HTG5012

2. Remove the transaxle dipstick, wipe it clean, reinsert the dipstick as far as it will go, then remove it again. Now check the fluid level on the dipstick. It should be in the "HOT" range on the dipstick.



3. If the transaxle fluid level is low, use a funnel to add transaxle fluid through the dipstick tube until the level reaches the "HOT" range. Do not overfill.

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.

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.

G120C02A-AAT

Recommended Brake Fluid

Use only hydraulic brake fluid conforming to DOT 3 or DOT 4 specifications in your braking system. Follow the instructions printed on the container.

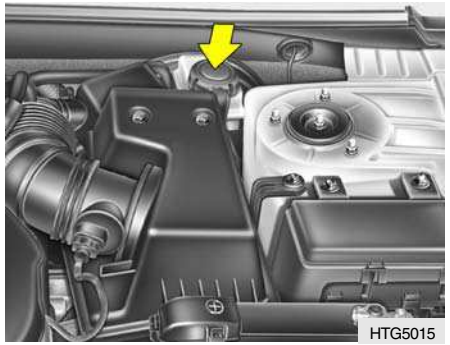
G120D01A-AAT

To Check the Fluid Level

The fluid level in the brake fluid reservoir should be checked periodically. The level should be between the "MIN" and "MAX" marks on the side of the reservoir. If the level is at or below the "MIN" mark, carefully add fluid to bring it up to "MAX". Do not overfill.

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.

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 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

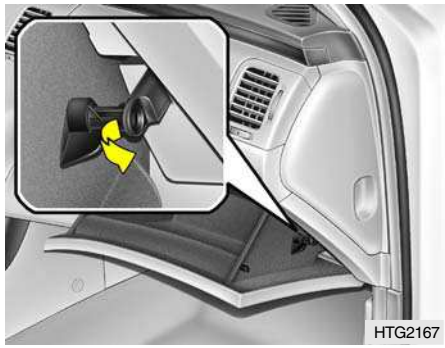
To lubricate the compressor and the seals in the system, the air conditioning should be run for at least 10 minutes each week. This is particularly important during cool weather when the air conditioning system is not otherwise in use.

CHANGING THE AIR CONDITIONER FILTER

B145A01TG-GAT

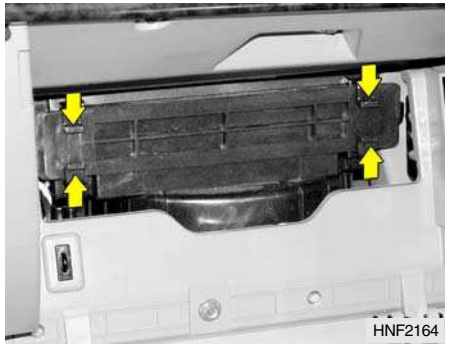
(For Evaporator and Blower Unit) (If Installed)

The air conditioner filter is located in the upper portion of the blower fan.
It helps to decrease the amount of pollutants entering the car.



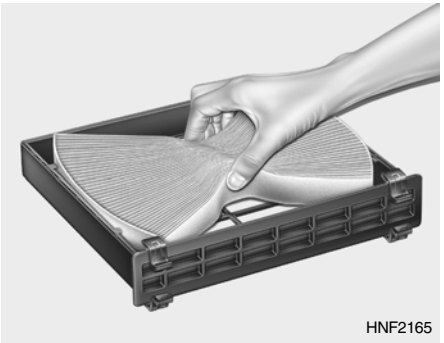
1. Open the glove box.
2. Pull the glove box cylinder to unlock the glove box fixing device.

3. Lower the glove box down completely by pushing both sides of the glove box inward.



4. Pull out the air conditioner filter with the hooks on both sides pressed.

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



5. Replace the air conditioner filter by lifting it.
6. Installation is the reverse order of disassembly.

CAUTION:
To prevent pollutants from entering the car, be sure to install the air conditioner filter exactly.

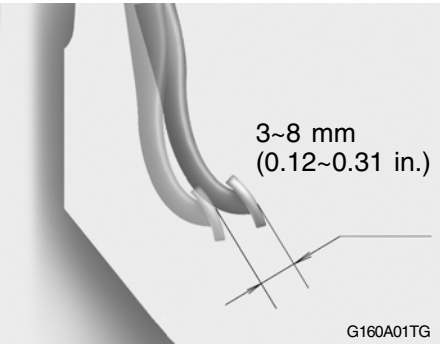
CHECKING STEERING WHEEL FREE-PLAY

G150A01A-GAT

To check the steering wheel free-play, stop the car with the wheels pointed straight ahead and gently move the steering wheel back and forth. Use very light finger pressure and be sensitive to changes in resistance that mark the limits of the free-play. If the freeplay is greater than specified, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

CHECKING BRAKE PEDAL FREE-PLAY

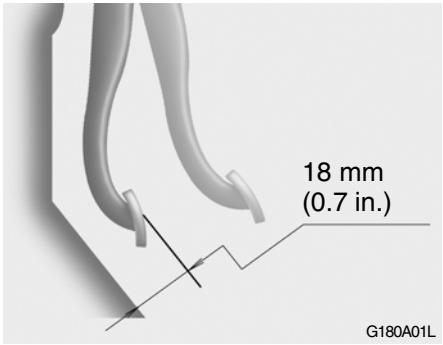
G170A01A-GAT



With the engine off, press down on the brake pedal several times to reduce the vacuum in the brake booster.
Then, using your hand, press down slowly on the brake pedal until you feel a change in resistance. This is the brake pedal free-play. The free-play should be within the limits specified in the illustration. If it is not, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

CHECKING BRAKE PEDAL CLEARANCE

G180A01A-GAT



You need a helper to check the brake pedal clearance. With the engine running, have your helper press down on the brake pedal several times and then hold it down with a force of about 490N (50 kg, 110 lbs). The brake pedal clearance is the distance from the top surface of the brake pedal to the asphalt sheeting under the floor mat. If the brake pedal clearance is not within the limits specified in the illustration, have it inspected by your Hyundai dealer and adjusted or repaired if necessary.

CHECKING PARKING BRAKE PEDAL

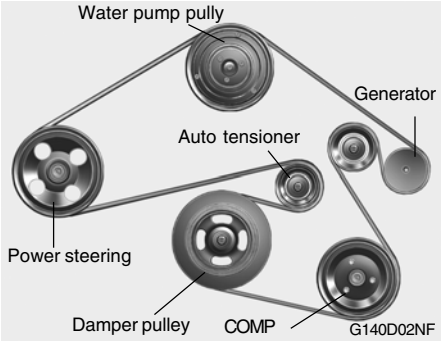
G185A01TG-GAT

The parking brake pedal should be checked periodically for proper stroke. If you feel loose in the parking brake pedal when the parking brake is engaged, have your parking brake adjusted by an authorized Hyundai dealer.

CAUTION:
If the parking brake pedal is not adjusted properly, the vehicle may roll backwards when parking on a steep hill.

CHECKING DRIVE BELTS

G190A02NF-GAT



Drive belts should be checked periodically for proper tension. At the same time, belts should be examined for cracks, wear, fraying or other evidence of deterioration and replaced if necessary.
When a new belt is replaced, the belt should be located within the pulley of flat idler.
Belt routing should also be checked to be sure there is no interference between the belts and other parts of the engine.

NOTE:
Drive belt tension is adjusted automatically by the auto tensioner.

CHECKING AND REPLACING FUSES

G200A01A-GAT

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 relay box for easy inspection.

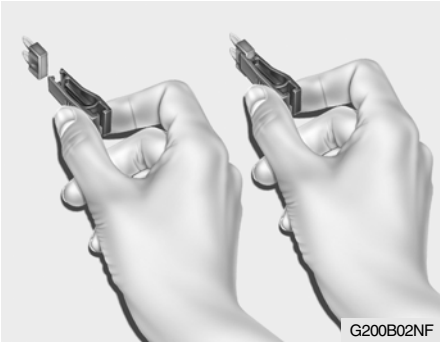
CAUTION:
When replacing a fusible link, never use anything but a new fusible link with the same or lower amperage rating. Never use a piece of wire or a higher-rated fusible link. This could result in serious damage and create a fire hazard.

G200B01NF-GAT

Replacing Accessory Fuse

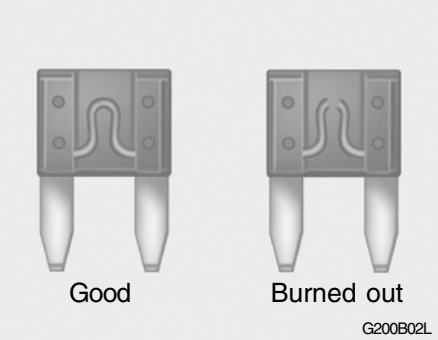
The fuse box for the lights and other electrical accessories will be found in the left side of the crash pad. Inside the box you will find a list showing the circuits protected by each fuse.
If any of your car's lights or other electrical accessories stop working, a blown fuse could be the reason. If 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.

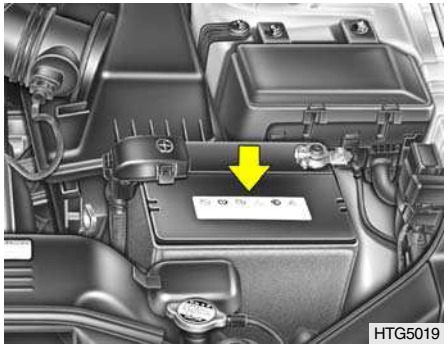
4. Replace the blown fuse by pressing a new fuse of the same rating into place. The fuse should be a snug fit. If it is not, have the fuse clip repaired or replaced by a Hyundai dealer. If you do not have a spare fuse, you may be able to borrow a fuse of the same or lower rating from an accessory you 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 6-37 for the fuse panel descriptions.

G210A01A-AAT



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:

- o If battery fluid is on your skin, flush the affected areas with water for at least 15 minutes and then seek medical assistance.
- o 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.
- o 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:

- o Charge batteries only in a well ventilated area.
- o Do not permit flames, sparks or smoking in the area.
- o 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.

- **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.

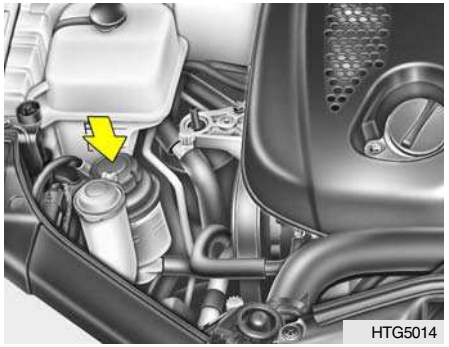
G220B01NF-GAT

Checking Engine Cooling Fan

The engine cooling fan should come on automatically if the engine coolant temperature is high or whenever the air conditioning is in operation.

POWER STEERING FLUID LEVEL

G230A03A-GAT



The power steering fluid level should be checked regularly.
To check the power steering fluid level, be sure the ignition is "OFF", then check to make certain that the power steering fluid level is between the "MAX" and "MIN" level markings on the fluid reservoir.

NOTE:
Grinding noise from the power steering pump may be heard immediately after the engine is started in extremely cold conditions (below - 20°C). If the noise stops during warm up, there is no abnormal function in the system. It is due to a power steering fluid characteristic in extremely cold conditions.

Recommended Fluid
Use PSF-3 type fluid.

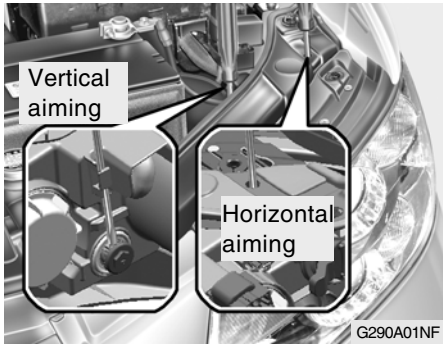
NOTE:
Do not start the engine when the power steering oil reservoir is empty.

G240A01A-AAT
POWER STEERING HOSES

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

HEADLIGHT AIMING ADJUSTMENT

G290A01TG-GAT

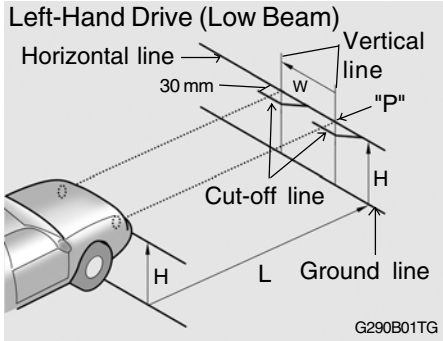


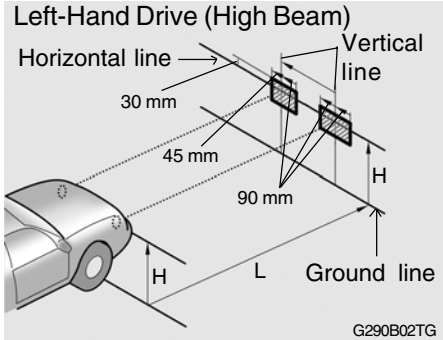
Before performing aiming adjustment, make sure of the following.

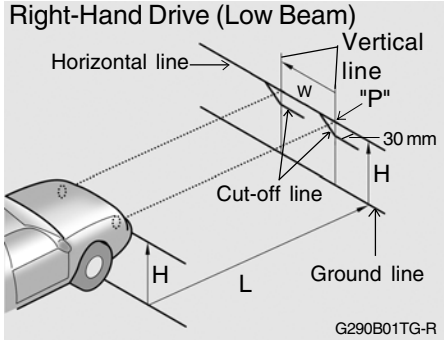
1. Keep all tires inflated to the correct pressure.
2. Place the vehicle on level ground and press the front bumper & rear bumper down several times. Place vehicle at a distance of 3m (118 in.) from the test wall.
3. See that the vehicle is unloaded (except for full levels of coolant, engine oil and fuel, and spare tire, jack, and tools). Have the driver or equivalent weight placed in driver's seat.
4. Clean the headlight lenses and turn on the headlights (Low Beam or High 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 the 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 the each vertical line with a phillips screwdriver - HORIZONTAL AIMING.

G290B01TG-GAT

Adjustment After Headlight Assembly Replacement







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

1. Adjust headlights so that main axis of light is parallel to the 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 the headlights.

SPECIFICATION:

"H"
Horizontal center line of headlights from ground;
Low Beam : 691 mm (27.2 in.)
High Beam : 680 mm (26.77 in.)

"W"
Distance between each headlight center;
Low Beam : 1,350 mm (53.14 in.)
High Beam : 1,080 mm (42.51 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

G260A01TG-GAT

Before attempting to replace a light bulb, be sure the ignition 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 6-36 for the wattage descriptions.

CAUTION:

- **Keep the lights out of contact with petroleum products, such as oil, gasoline, etc.**
- **Be sure to replace the LED type equipped bulbs with an assembly.**
- **If you don't have necessary tools, the correct bulbs and the expertise, consult your authorized Hyundai dealer.**

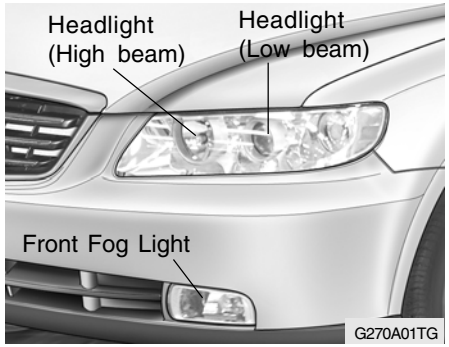
G270A01TG-GAT

HEADLIGHT AND FRONT FOG LIGHT

CAUTION:

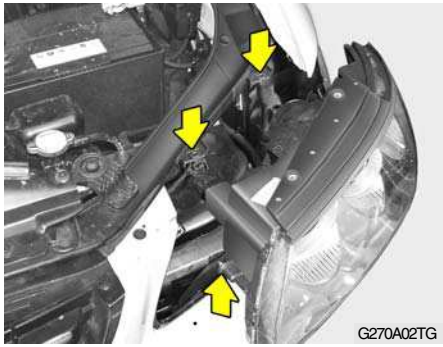
- **The headlight aiming should be checked by an authorized Hyundai dealer after replacing the headlight bulbs.**
- **If your vehicle is equipped with HID (High Intensity Discharge) type headlight, you must not replace or inspect the headlight.**
  It has a danger of an electric shock. If the headlight is not working, have your vehicle inspected by your Hyundai Dealer.

▶ Headlight

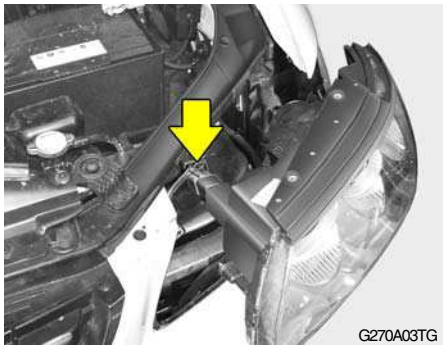


Replacement instructions:

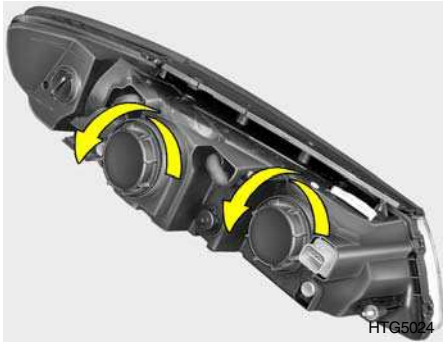
1. Allow the bulb to cool. Wear eye protection.
2. Open the engine hood and disconnect the negative (-) post of the battery.
3. Always grasp the bulb by its plastic base, avoid touching the glass.



4. Using a spanner of the correct size, remove the headlight assembly mounting bolts and nut.

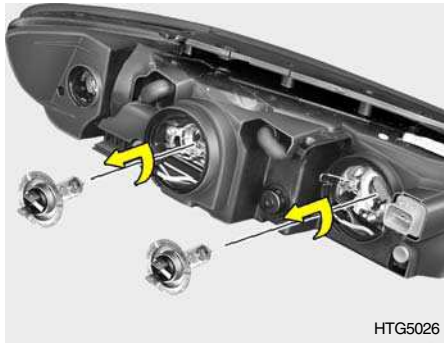


5. Disconnect the power cord from the back of the headlight.



6. Turn the plastic cover counterclockwise and remove it.

7. Disconnect the connector from the bulb base in the back of the headlight.
8. Push the bulb spring to remove the headlight bulb.



9. 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 reconnect the connector.
10. Use the protective cap and carton to promptly dispose of the old bulb.
11. Check for proper headlight aim.

WARNING:
This 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 installing 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.

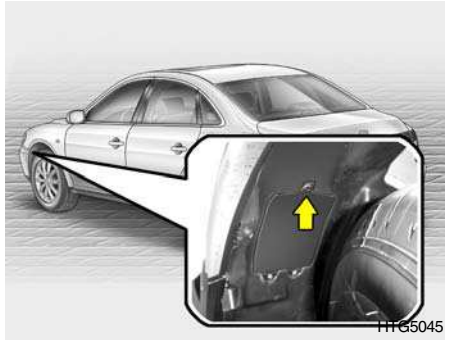
▶ Front Fog Light

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

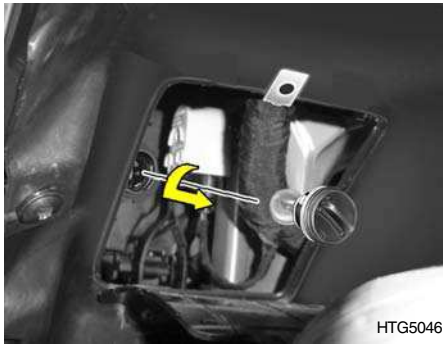
G275A01TG-GAT

FRONT TURN SIGNAL LIGHT

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



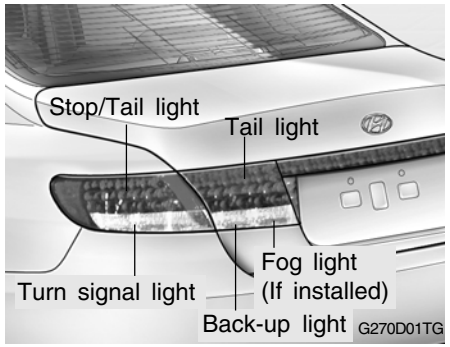
2. Turn the wheel inside until the wheel housing is visible.
3. Remove the mounting screws of the cover with a phillips screwdriver and open the cover.



4. Take out the bulb from the bulb holder by turning it counterclockwise.
5. Install the new bulb.

G270D01TG-GAT

REAR COMBINATION LIGHT



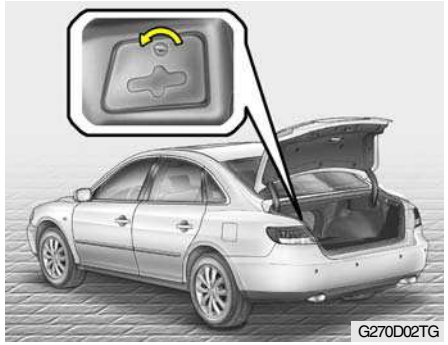
▶ Stop/Tail Light

NOTE:

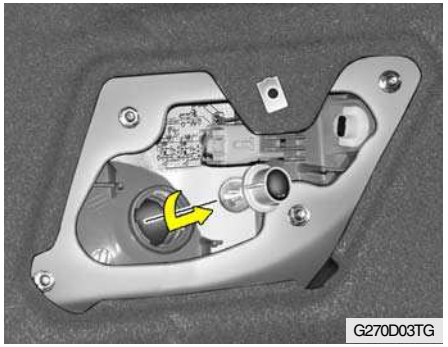
The stop/tail light should be replaced by an authorized Hyundai dealer because the light is LED (Light Emitting Diode) type.

▶ Turn Signal Light

1. Open the trunk lid.



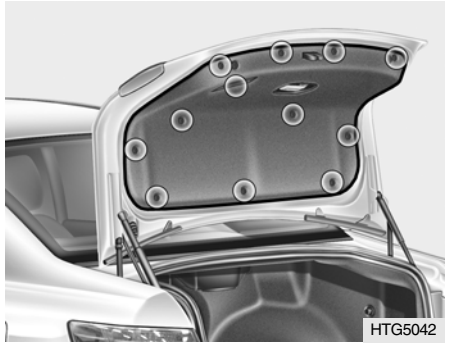
2. Remove the cover on the inside of rear luggage trim by turning the knob counterclockwise.



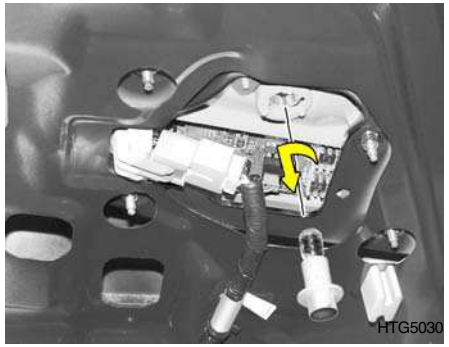
3. To replace the turn signal light, remove it from the bulb holder and install the new bulb.

▶ Back-up Light

1. Open the trunk lid.



2. Loosen the mounting screws of the trunk lid trim with a phillips screwdriver and remove the trunk lid trim.



3. To replace the back-up light, remove the socket by turning it counterclockwise.
4. Install the new bulb.

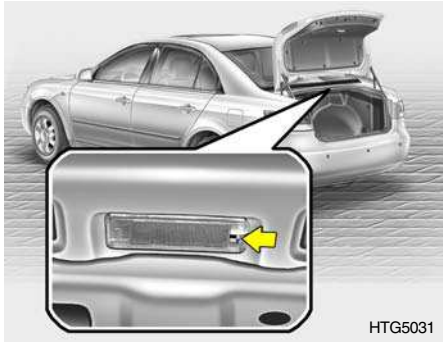
▶ Rear Fog Light (If Installed)

NOTE:
The rear fog light should be replaced by an authorized Hyundai dealer because the light is LED (Light Emitting Diode) type.

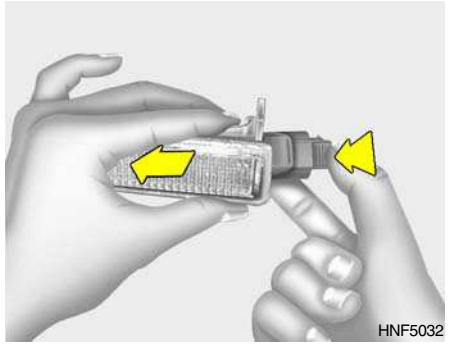
G270C01L-GAT

LUGGAGE COMPARTMENT LIGHT

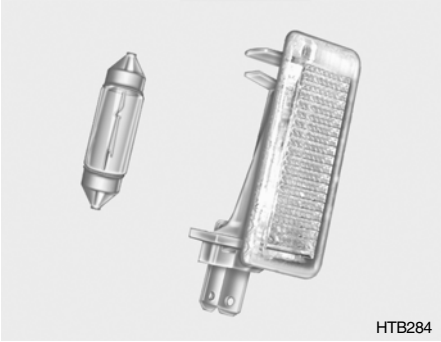
1. Open the trunk lid.



2. Remove the luggage compartment light cover on the rear package tray panel with a blade screwdriver.



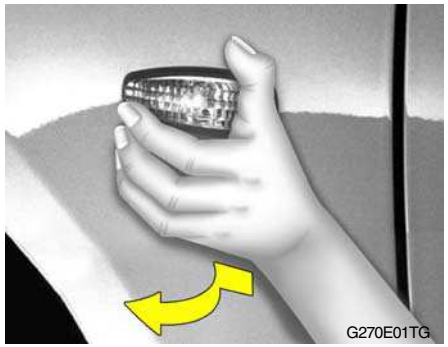
3. Disconnect the power cord.



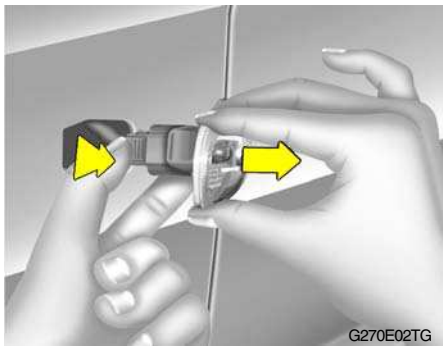
4. Replace with a new bulb.

G270E01A-GAT

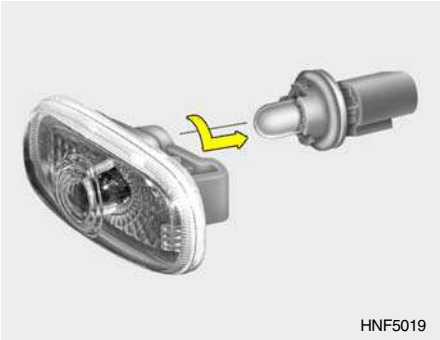
SIDE REPEATER LIGHT



1. Push the cover toward the front of vehicle and remove it.



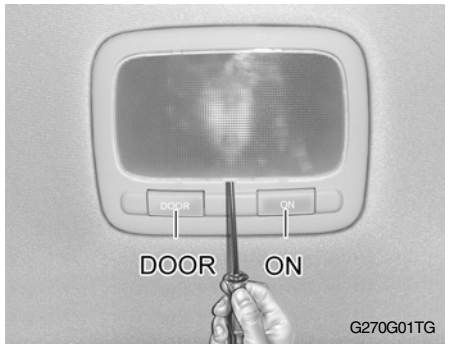
2. Disconnect the power code.



3. Replace with a new bulb.

G270G01L-GAT

INTERIOR LIGHT



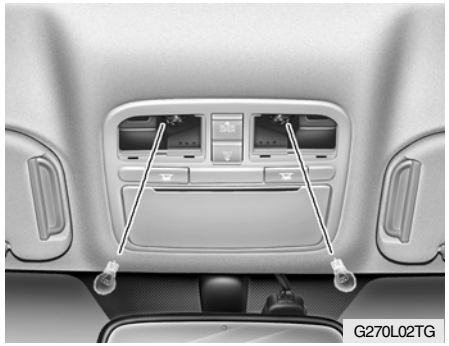
1. Remove the plastic cover with a blade screwdriver.

2. Replace with a new bulb.

G270L01L-GAT

MAP LIGHT

1. Remove the plastic cover with a blade screwdriver.

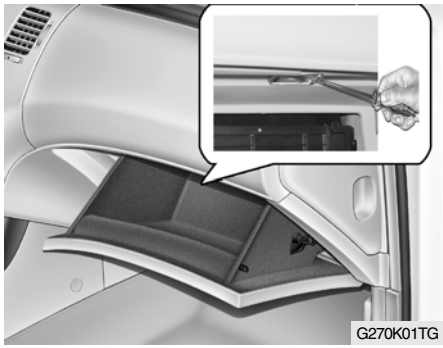


2. Replace with a new bulb.

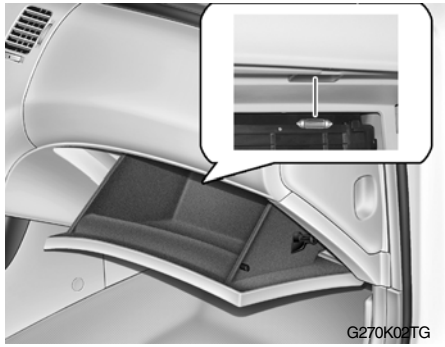
G270K01TG-GAT

GLOVE BOX ILLUMINATED LIGHT

1. Open the glove box.



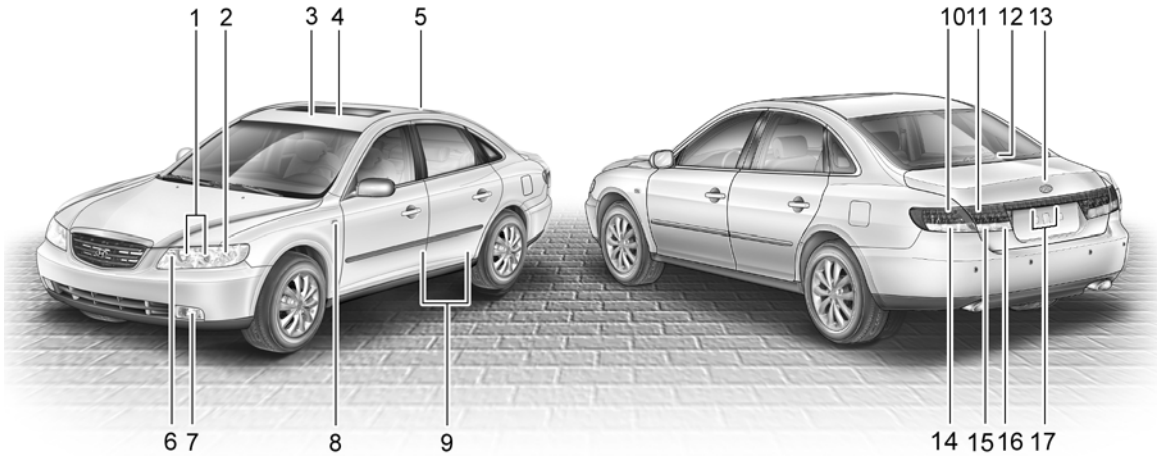
2. Remove the glove box illuminated light cover with a blade screwdriver.



3. Replace with a new bulb.

BULB WATTAGE

G280A01TG-GAT



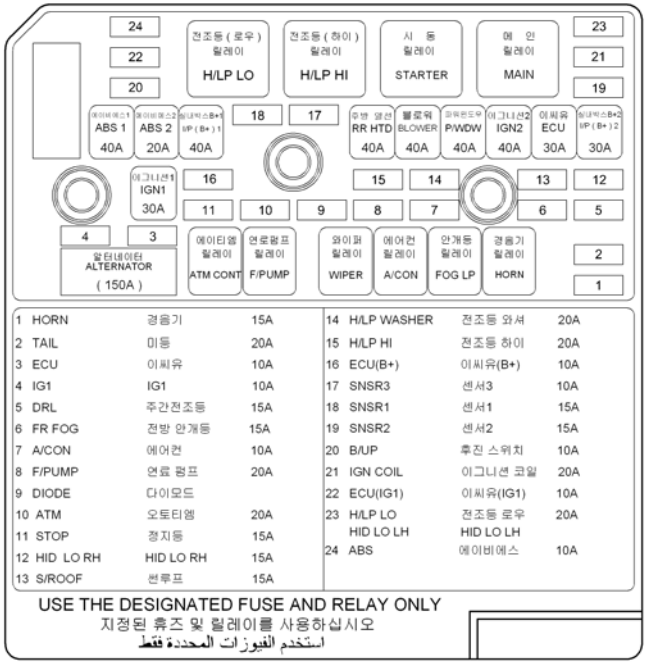
G280A01TG

No.	Part Name	Wattage	Socket Type	No.	Part Name	Wattage	Socket Type
1	Headlight (High/Low)	55/55	P14,5s/PX26d	9	Door Edge Warning Light	5	-
	HID Headlight (Low)	35	PK32d-2	10	Stop/Tail Light	2.4/0.4	LED Type
	(If Installed)			11	Tail Light	0.4	LED Type
2	Front Turn Signal Light	21	BAU15s	12	High Mounted Rear Stop Light	1	LED Type
3	Front Map Light	10	W2.1X9.5d	13	Luggage Compartment Light	5	S8.5
4	Interior Light	10	S8.5	14	Rear Turn Signal Light	21	BAU15s
5	Rear Map Light	10	BA9s	15	Back-up Light	16	W2.1X9.5d
6	Front Position Light	5	W2.1X9.5d	16	Rear Fog Light (If Installed)	4.6	LED Type
7	Front Fog Light	35	PGJ19-1	17	License Plate Light	5	W2.1X9.5d
8	Side Repeater Light	5	W2.1X9.5d				

FUSE PANEL DESCRIPTION

G200C01TG-GAT

Engine Compartment



HTG4005

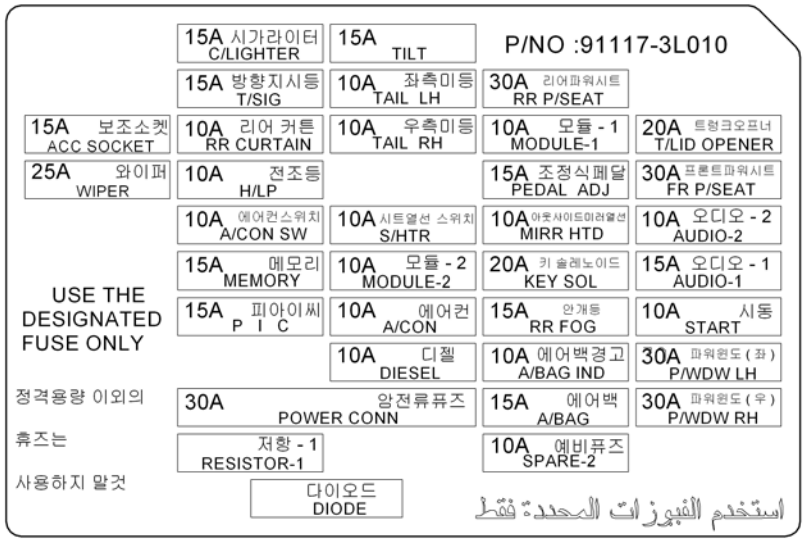
NOTE:

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.

DESCRIPTION			FUSE RATING	PROTECTED COMPONENTS
FUSIBLE LINK	ABS1		40A	ABS/ESP Control module, Multipurpose check connector
	ABS2		20A	ABS/ESP Control module, Multipurpose check connector
	I/P (B+)1		40A	Fuse(FR P/SEAT, T/LID, T/SIG, TILT, PEDAL, RR CURTAIN)
	RR HTD		40A	Defogger relay
	BLOWER		40A	Blower relay
	P/WDW		40A	Fuse(P/WDW LH, P/WDW RH)
	IGN2		40A	Start relay, Ignition switch(IG2, START)
	ECU RLY		30A	Engine control unit relay
	I/P (B+)2		30A	Fuse(KEY SOL, ECS/RR FOG), Power connector
	IGN1		30A	Ignition switch(ACC, IG1)
	ALT		150A	Fusible link(ABS1, ABS2, RR HTD, BLOWER)
FUSE	1	HORN	15A	Horn relay
	2	TAIL	20A	Tail light relay
	3	ECU	10A	PCM
	4	IG1	10A	(Spare)
	5	DRL	15A	Burglar alarm horn relay
	6	FR FOG	15A	Front fog light relay
	7	A/CON	10A	A/C Relay
	8	F/PUMP	20A	Fuel pump relay
	9	DIODE	-	(Spare)
	10	ATM	20A	ATM Control relay
	11	STOP	15A	Stop light switch
	12	H/LP LO RH	15A	HID Relay
	13	S/ROOF	15A	Overhead console lamp
	14	H/LP WASHER	20A	Headlight washer motor
	15	H/LP HI	20A	Headlight relay (HIGH)
	16	ECU (B+)	10A	PCM
	17	SNSR3	10A	Injector#1~#6, A/C Relay, Cooling fan relay
	18	SNSR1	15A	Mass air flow sensor, PCM, Immobilizer control module, Oil control valve#1/#2, Variable intake manifold valve
	19	SNSR2	15A	Oxygen Sensor#1~#4
	20	B/UP	10A	Back-up light switch, Stop light switch, Transaxle range switch, Vehicle speed sensor
	21	IGN COIL	20A	Ignition coil#1~#6, Condenser
	22	ECU (IG1)	10A	PCM
	23	H/LP LO	20A	Headlight relay(LOW)
	24	ABS	10A	ABS/ESP Control module, Multipurpose check connector

G200E01TG-GAT

Inner Panel



HTG4003-1

FUSE	FUSE RATING	PROTECTED COMPONENTS
T/LID	20A	Fuel lid opener & Trunk lid switch
FR P/SEAT	30A	Front lumbar support switch, IMS Control module, Driver/Passenger seat manual switch
AUDIO-2	10A	ATM Key lock control module, Audio, IMS Switch, Accessory relay, Seat/Power outlet relay, Digital clock & Passenger seat belt IND.
AUDIO-1	15A	Audio
START	10A	Transaxle range switch, Burglar alarm relay
P/WDW LH	30A	Left front safety window module, Left rear power window switch
P/WDW RH	30A	Right front safety window module, Right rear power window switch
RR P/SEAT	30A	Right rear ICM relay box
MODULE-1	10A	Instrument cluster, BCM, Rear curtain module, Rain sensor, IMS Control module, Power window main switch
PEDAL ADJ	15A	Back warning buzzer
MIRR HTD	10A	Left/Right outside mirror & mirror folding motor, A/C Control module
KEY SOL	20A	Key solenoid, Power window main switch
RR FOG	15A	Rear fog light relay
A/BAG IND	10A	Instrument cluster
A/BAG	15A	Air bag cut off switch, SRS Control module
SPARE-2	10A	(Spare)
TILT	15A	Tilt & Telescopic module, Sport mode switch
TAIL LH	10A	Front fog light relay, Left rear combination light, License plate light, Left headlight
TAIL RH	10A	Right rear combination light, License plate light, Right headlight

FUSE	FUSE RATING	PROTECTED COMPONENTS
S/HTR	10A	Driver seat warmer switch
MODULE-2	10A	Instrument cluster, ESP Switch, BCM, ATM Key lock control module, YAW Rate sensor, Multi-function switch
A/CON	10A	A/C Control module, Tilt & Telescopic module, Rheostat, Electric chromic mirror, Overhead console lamp
DIESEL	10A	(Spare)
C/LIGHTER	15A	Cigarette lighter
T/SIG	15A	BCM
RR CURTAIN	10A	Rear curtain module
H/LP	10A	Headlight relay, AQS & Ambient sensor, HID relay, Headlight leveling actuator
A/CON SW	10A	A/C Control module, Blower relay, A/C Control module(AUTO)
MEMORY	15A	Data link connector, A/C Control module, Instrument cluster, Multi-function switch, Tilt & Telescopic module, BCM, Door warning switch, Room lamp, Left/Right foot lamp, Door lamp
PIC	15A	(Spare)
ACC SOCKET	15A	Rear power outlet
WIPER	25A	Washer relay, Wiper relay(High), Wiper relay
POWER CONN	30A	Fuse(MEMORY, AUDIO-1)

EMISSION CONTROL SYSTEM

Emission Control System 7-2
Catalytic Converter 7-3

7

EMISSION CONTROL SYSTEMS

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 (PCV) system is employed to prevent air pollution caused by blow-by gases being emitted from the crankcase. This system supplies fresh filtered 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 into the induction system.

H010C02Y-GAT

2. Evaporative Emission Control System

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

Canister

While the engine is inoperative, fuel vapors generated inside the fuel tank are absorbed and stored in the canister. When the engine is running, the fuel vapors absorbed in the canister are drawn into the induction system through the purge control solenoid valve.

Purge Control Solenoid Valve

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

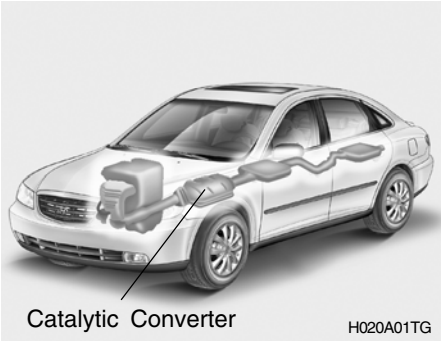
H010D01A-AAT

3. Exhaust Emission Control System

The Exhaust Emission Control System is a highly effective system which controls exhaust emissions while maintaining good vehicle performance.

CATALYTIC CONVERTER

H020A01A-AAT



All Hyundai vehicles are equipped with a monolith type three-way catalytic converter to reduce the carbon monoxide, hydrocarbons and nitrogen oxides contained in the exhaust gas. Exhaust gases passing through the catalytic converter cause it to operate at a very high temperature. The introduction of large amounts of unburned gasoline into the exhaust may cause the catalytic converter to overheat and create a fire hazard. This risk may be reduced by observing the following:

WARNING:

- **Use unleaded fuel only.**
- **Maintain the engine in good operating condition. Extremely high catalytic converter temperatures can result from improper operation of the electrical, ignition or multiport electronic fuel injection.**
- **If your engine stalls, pings, knocks, or is hard to start, have your Hyundai dealer inspect and repair the problem as soon as possible.**
- **Avoid driving with a very low fuel level. Running out of gasoline may cause the engine to misfire and result in damage to the catalytic converter.**
- **Avoid idling the engine for periods longer than 10 minutes.**
- **The vehicle should not be pushed or pulled to get started. This may cause the catalytic converter to overheat and create a fire hazard.**

- o Do not touch the catalytic converter or any other part of the exhaust system while the catalytic converter is hot. Shut off the engine, wait for at least one hour before touching the catalytic converter or any other part of the exhaust system.
- o Remember that your Hyundai dealer is your best source of assistance.
- o Do not stop your Hyundai over any combustible material such as grass, paper, leaves or rags. These materials might contact the hot catalytic converter and a fire might result.

CONSUMER INFORMATION

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Tire Traction 8-5
When to Replace Tires 8-5
Spare Tire and Tools 8-6

8

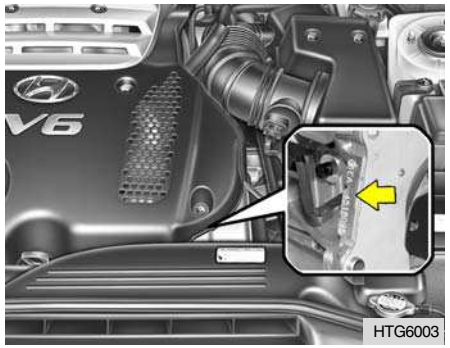
VEHICLE IDENTIFICATION NUMBER (VIN)

I010A01A-GAT

The vehicle identification number (VIN) is the number used in registering your car and in all legal matters pertaining to its ownership, etc.
It can be found on the identification plate attached to the engine side of the firewall between the engine and passenger compartment.

ENGINE NUMBER

I010B01A-AAT



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.

I030A01TG-GAT

RECOMMENDED INFLATION PRESSURES

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

T2	RECOMMENDED INFLATION PRESSURE-COLD					
RIM SIZE	TIRE SIZE	MAX LOAD (INDEX)	PRESSURE KPA(PSI)			
			NORMAL LOAD		MAXIMUM LOAD	
			FRONT	REAR	FRONT	REAR
6.5JX16	225/60 R16	750Kg(98)	210 (30)	210 (30)	220 (32)	220 (32)
7.0JX17	235/55 R17	775Kg(99)	210 (30)	210 (30)	220 (32)	220 (32)
THE TIRES FITTED TO THIS VEHICLE SHALL HAVE A MAX LOAD RATING NOT LESS THAN 750kg, OR A LOAD INDEX OF 98 AND A SPEED CATEGORY NOT LESS THAN V.						

I030A02TG

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.**

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 side of the center pillar outer panel, 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.

I050A01TG-GAT

TIRE CHAINS

Tire chains should be installed on the front wheels. Be sure that the chains are the proper size and that they are installed in accordance with the manufacturer's instructions.
To minimize tire and chain wear, do not continue to use tire chains when they are no longer needed.

WARNING:

- **When driving on roads covered with snow or ice, drive at less than 30 km/h (20 mph).**
- **Use the SAE "S" class or wire chains.**
- **Don't use a tire chains to the vehicle which aluminium wheels are installed to keep the wheels. If it is on unavoidable circumstances, use a wire chains.**
- **Use wire chains less than 15mm to prevent damage to the chain's connection.**

- **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.**

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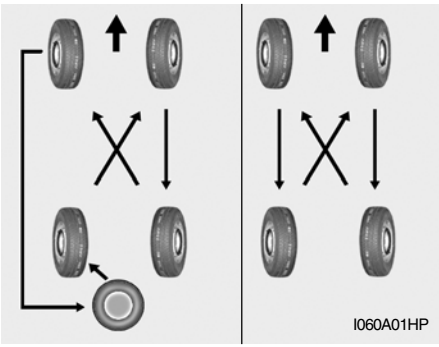
TIRE ROTATION



Tires should be rotated every 10,000 km (6,000 miles). If you notice that tires are wearing unevenly between rotations, have the car checked by a Hyundai dealer so the cause may be corrected.
After rotating, adjust the tire pressures and be sure to check wheel nut tightness.

WARNING:
Do not mix bias-ply and radial-ply tires under any circumstances. This may cause dangerous handling characteristics that may cause death, serious injury, or property damage.

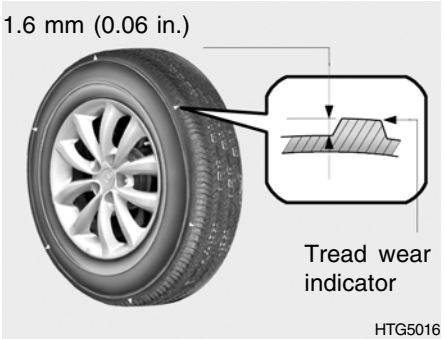
I070A01A-AAT
TIRE BALANCING

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.

I090A01Y-GAT
WHEN TO REPLACE TIRES



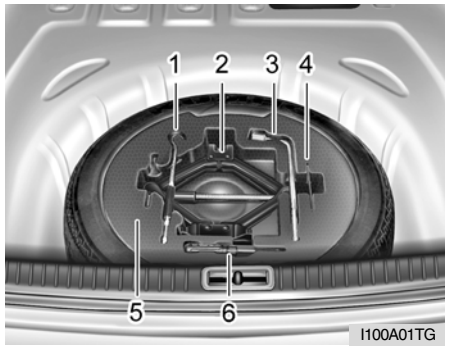
The original tires on your car have tread wear indicators. The tread wear indicators appear when the tread depth is 1.6 mm (0.06 in.). The tire should be replaced when these appear as a solid bar across two or more grooves of the tread. Always replace your tires with those of the recommended size. If you change wheels, the new wheel's rim width and offset must meet Hyundai specifications.

SPARE TIRE AND TOOLS

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.**

I100A01NF-GAT



Your Hyundai is delivered with the following:

Spare tire and wheel
Wrench bar (1), Jack (2),
Wheel nut wrench (3),
Spanner (4),
Tool Receptacle (5),
Screwdriver (6)

VEHICLE SPECIFICATIONS

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9

J010A01TG-GAT
MEASUREMENT

mm (in.)

Overall length		4895 (192.7)
Overall width		1865 (73.4)
Overall height		1490 (58.6)
Wheel base		2780 (109.4)
Wheel tread	Front	1580 (62.2)
	Rear	1565 (61.6)

J020A01TG-GAT
POWER STEERING

Type	Rack and pinion
Wheel free play	0 ~ 30 mm (0 ~ 1.18 in.)
Rack stroke	146 mm (5.74 in.)
Oil pump type	Vane type

J060A01TG-GAT
FUEL SYSTEM

Fuel tank capacity	75 liter

J030A01TG-GAT
TIRE

Standard	225/60 R16
Option	235/55 R17
Spare	Full Size

J040A01TG-GAT
ELECTRICAL

Item	3.3L
Battery	CMF 68AH
Alternator	130A (13.5V)

J050A01TG-GAT
BRAKE

Type	Dual hydraulic with brake booster
Front brake type	Ventilated disc
Rear brake type	Solid disc
Parking brake	Cable operated on rear wheel

ENGINE

J070A01TG-GAT

ITEMS		3.3L
Engine Type		6-Cyl., V-type DOHC
Bore x Stroke (mm)		92.0 x 83.8
Displacement (cc)		3,342
Firing order		1 - 2 - 3 - 4 - 5 - 6
Valve clearance (Warm engine)	Intake	0.17 ~ 0.23 mm
	Exhaust	0.27 ~ 0.33 mm
Spark plug	Unleaded	IFR5G-11*
	Leaded	BKR5ES
Spark plug gap	Unleaded	1.0 - 1.1 mm
	Leaded	0.7 ~ 0.8 mm
Idle speed (RPM)		720 ± 100
Ignition timing (Base)		BTDC 10° ± 5°

* : Iridium coated.

4 LUBRICATION CHART

J080A01TG-GAT

Item		Oil & Grease Standard		Quantity (liter)
Engine Oil		API SJ, SL or ABOVE, ILSAC GF-3 or ABOVE	SAE 5W-20, 5W-30 (ALL TEMP. RANGE)	Drain and refill ; With oil filter : 5.6 Without oil filter : 5.2
			SAE 10W-30 (ABOVE -18°C)	
			SAE 15W-40 (ABOVE -13°C)	
			SAE 20W-50 (ABOVE -7°C)	
Engine oil consumption		Normal driving condition		MAX. 1L /1500 Km
		Severe driving condition		MAX. 1L /1000 Km
Transaxle	Automatic	HYUNDAI GENUINE ATF SP III, DIAMOND ATF SP III, SK ATF SP III or other brands approved by Hyundai Motor Co.,		10.9
Coolant		Ethylene glycol, base for aluminum		8.6
Power steering		PSF-3 TYPE FLUID		0.9
Brake fluid		DOT 3 or DOT 4 Equivalent		As required

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