HYUNDAI

AZERA

OWNER'S MANUAL

A030A01A-AAT

Operation
Maintenance
Specifications

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

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

A070A01A-AAT

CAUTION: MODIFICATIONS TO YOUR HYUNDAI

Your Hyundai should not be modified in any way. Such modifications may adversely affect the performance, safety or durability of your Hyundai and may, in addition, violate conditions of the limited warranties covering the vehicle. Certain modifications may also be in violation of regulations established by the U.S. Department of Transportation and other federal or state agencies.

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.

A110A02A-AAT

VEHICLE DATA COLLECTION AND EVENT DATA RECORDERS

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less. The EDR in this vehicle is designed to record such data as:

- **How various systems in your vehicle were operating;**
- **Whether or not the driver and passenger safety belts were buckled/fastened;**

These data can help provide a better understanding of the circumstances in which crashes and injuries occur. NOTE: EDR data are recorded by your vehicle only if a non-trivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.
To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

A040A01A-AAT

FOREWORD

Thank you for choosing Hyundai. We are pleased to welcome you to the growing number of discriminating people who drive a Hyundai. 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 AMERICA

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 and which also appear in the Service Station Information on the back cover of the Owner's Manual.

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A100A03A-AAT

Guide to Hyundai Genuine Parts

1. What are Hyundai Genuine Parts?

Hyundai Genuine Parts are the same parts used by Hyundai Motor Company to manufacture vehicles. They are designed and tested for the optimum safety, performance, and reliability to our customers.

2. Why should you use genuine parts?

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

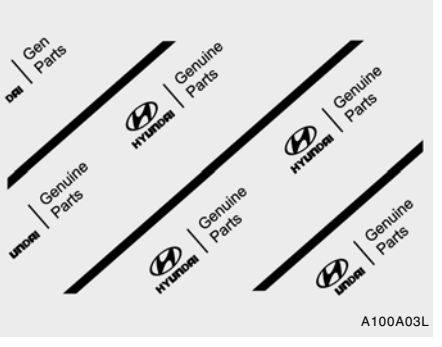
3. How can you tell if you are purchasing Hyundai Genuine Parts?

Look for the Hyundai Genuine Parts Logo on the package (see below).

Hyundai Genuine Parts exported to the United States are packaged with labels written only in English.

Hyundai Genuine Parts are only sold through authorized Hyundai Dealerships.

To find the closest authorized dealer call 1-800-826-CARS



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INSTRUMENTS AND CONTROLS (I)

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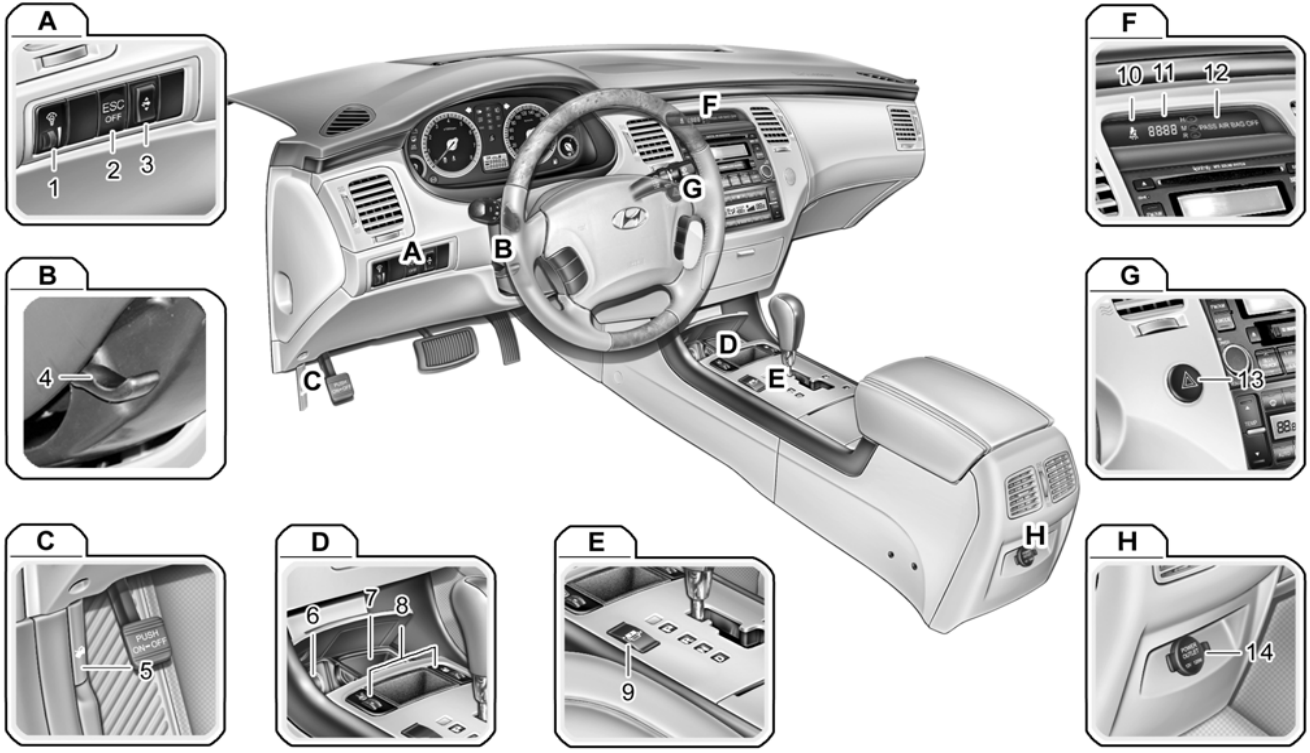

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CAUTION:

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

INSTRUMENTS AND CONTROLS (II)

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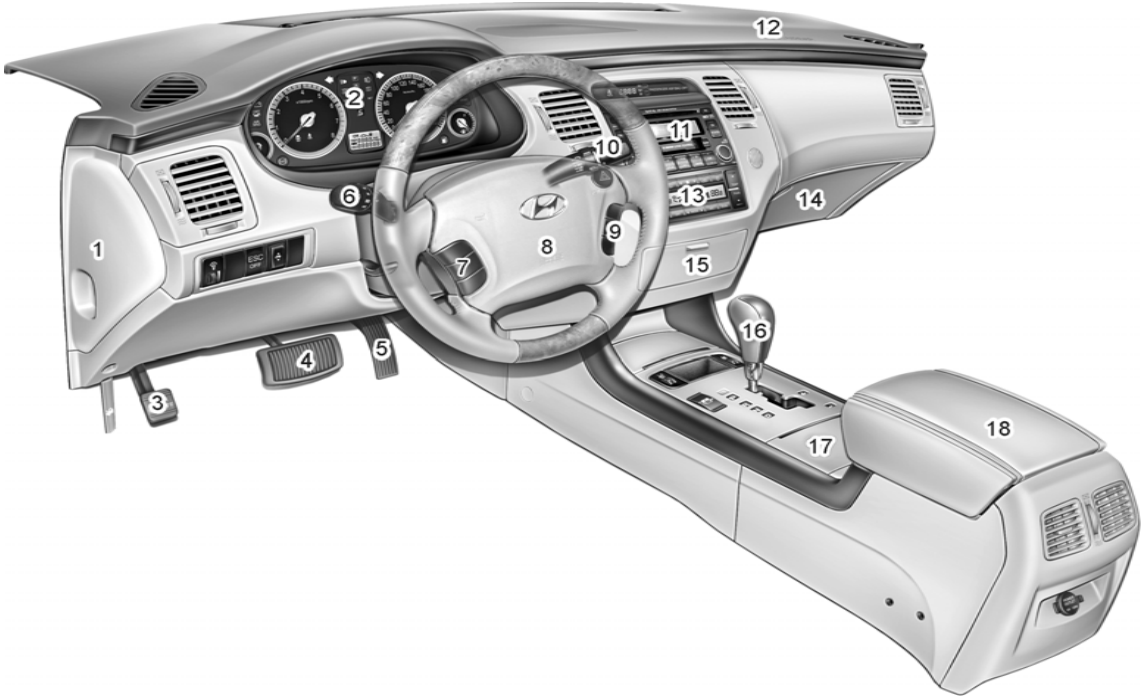

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CAUTION:

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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 Lamp Indicator Light
- Check Engine - Malfunction Indicator Light (MIL)
- SRS (Airbag) Warning Light
- ABS Service Reminder Indicator (If Installed)
- Electronic Stability Control (ESC) Indicator Lights (If Installed)
- Cruise Indicator Light
- Cruise SET Indicator Light
- Low Tire Pressure Telltale (If Installed)
- TPMS (Tire Pressure Monitoring System) Malfunction Indicator (If Installed)
- Immobilizer Warning Light

* More detailed explanations of these items will be found beginning on page 1-64.

PROPOSITION 65 WARNING:
Items contained in motor vehicles or emitted from them are known to the State of California to cause cancer and birth defects or reproductive harm. These include:

- **Gasoline and its vapors**
- **Engine exhaust**
- **Used engine oil**
- **Interior passenger compartment components and materials**
- **Component parts which are subject to heat and wear**

In addition, battery posts, terminals and related accessories contain lead, lead compounds and other chemicals known to the State of California to cause cancer and reproductive harm.

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FUEL RECOMMENDATIONS

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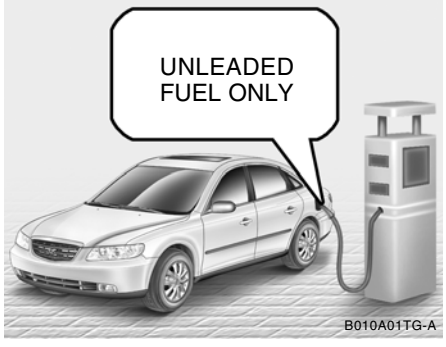
Use Unleaded Gasoline



Unleaded gasoline with a Pump Octane Rating of 87 (Research Octane Number 91) or higher must be used in your Hyundai.

WARNING:

- **Do not "top off" after the nozzle automatically shuts off when refueling.**
- **Tighten the cap until it clicks, otherwise the " CHECK " light will illuminate.**
- **Always check that the fuel cap is installed securely to prevent fuel spillage in the event of an accident.**

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What About Gasohol?

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

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Use of MTBE

Hyundai recommends that fuels containing MTBE (Methyl Tertiary Butyl Ether) over 15.0% vol. (Oxygen Content 2.7% weight) should not be used in your Hyundai.
Fuel containing MTBE over 15.0% vol. (Oxygen Content 2.7% weight) may reduce vehicle performance and produce vapor lock or hard starting.

B010D01A-AAT

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 any performance problems that are caused by the use of fuels containing methanol or fuels containing MTBE (Methyl Tertiary Butyl Ether) over 15.0% vol. (Oxygen Content 2.7% weight.)

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 enhance performance of the Emission Control System.

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

B020A01TG-AAT

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

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

- o Don't drive faster than 55 MPH (88 km/h).
- 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 200 miles (300 km), try to avoid hard stops.
- o Whether going fast or slow, vary your speed from time to time.
- o Don't let the engine idle longer than 3 minutes at one time.
- o Don't tow a trailer during the first 1,200 miles (2,000 km) of operation.

IMMOBILIZER SYSTEM

B880A01TG-AAT

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

NOTE:
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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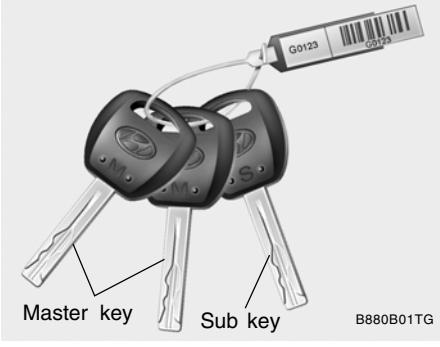
Two Types of Keys



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.

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

CAUTION:
- **If you make your own duplicate key, you will not be able to cancel the system or start the engine.**
- **When starting the engine, do not use the key with other immobilizer keys in close proximity; otherwise, the engine may not start or may stop soon after it starts.**
  Keep each key separated from one another.
- **Do not install the metal accessories near the key or ignition switch.**
  The engine may not start for the metal accessories may interrupt the transponder signal from normally transmitting.

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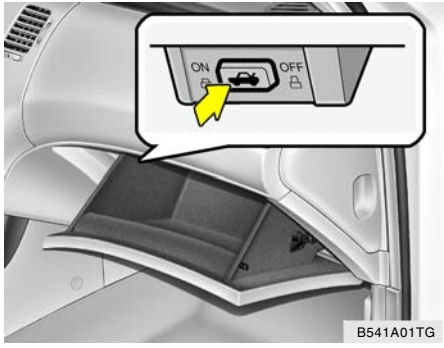
Before leaving sub key with parking attendant



When leaving the sub key with a 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. Switch the rear seatback knobs to the "LOCK" position (refer to page 1-26).
5. Leave the sub key with the attendant. Trunk and glove box are secured because the sub key only allows ignition and door lock operation.

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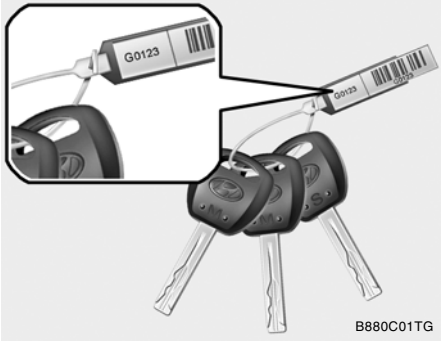
Key Numbers



The vehicle key number is recorded on 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.

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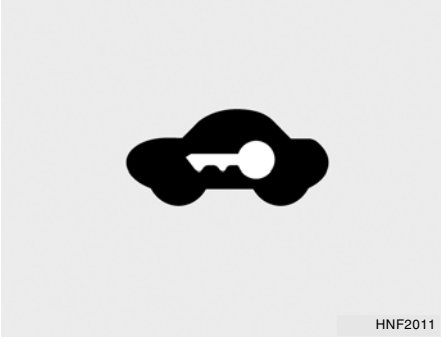
"Limp Home" Mode and Related Procedures



If the immobilizer warning indicator blinks for five seconds when the ignition key is turned to the "ON" position, this indicates the immobilizer system requires service. The engine cannot be started without using the procedure below.
The following procedure describes how to start the engine using the limp home function (0, 1, 2, 3 as a sample password).

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

1. To activate the password, turn the ignition key "ON" and "OFF" according to the digit numbers. 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. For the digit number "0", you must cycle the ignition key 10 times.
2. Wait for 3~10 seconds.
3. You may set the remaining number of digits by following steps 1 and 2.
4. If all of the four password digits have been successfully entered, 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 try to start your engine after 30 seconds, your engine will not start.

NOTE:
If the engine stalls while driving in the "limp home" mode, you can start your engine within 3 seconds without re-entering the password.

If the immobilizer indicator blinks for five seconds, you must re-enter the password (steps 1~4).

After performing the limp home activation procedure, consult with your authorized Hyundai dealer as soon as possible.

CAUTION:
- **If the password is entered incorrectly three consecutive times, wait for about one hour to perform the limp home activation procedure again.**
- **If you cannot start your engine using the limp home activation procedure, have your vehicle towed by an authorized Hyundai dealer.**

DOOR LOCKS

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ILLUMINATED IGNITION SWITCH

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.

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WARNING:

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

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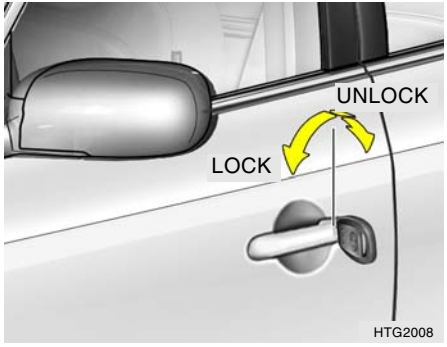
Locking, unlocking front doors with a key



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

NOTE:
The driver's door can be unlocked by turning the key once toward the rear. If you wish to unlock all doors, turn the key again toward the rear within 4 seconds.

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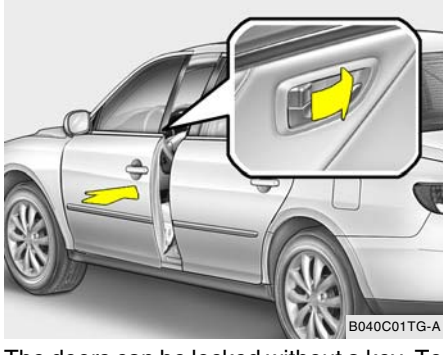
Locking from the Outside



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 operation.

NOTE:

- **When locking the door this way, be careful not to lock the door with the 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.**

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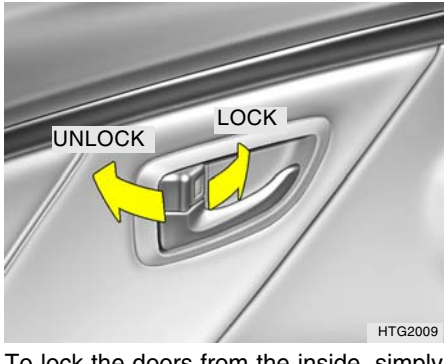
Locking from the Inside



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

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.

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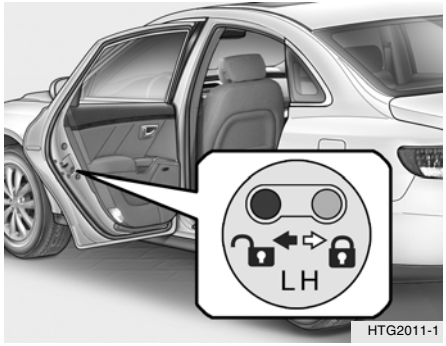
Child-Protector Rear Door Lock



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Your Hyundai is equipped with left and right side "child-protector" rear door locks. 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.

To open the door from the outside, pull the outside door handle.

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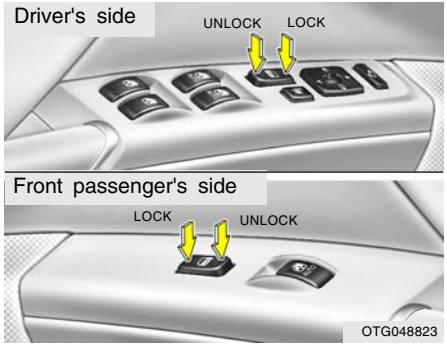
Central Door Locks



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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 depressing the front portion of the driver's or front passenger's door lock switch, all vehicle doors will lock.**
- **When depressing 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.**
- **If the door is locked/unlocked multiple times in rapid succession with either the vehicle key or door lock switch, the system may stop operating temporarily in order to protect the circuit and prevent damage to system components.**

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.

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Auto door lock/unlock feature (If Installed)

- o All doors will be automatically locked when shifting the transaxle shift lever out of P(Park).
- o All doors will be automatically unlocked when shifting the transaxle shift lever into P(Park).

NOTE:

An authorized Hyundai dealer can activate or deactivate some auto door lock/unlock features as follows;

- **o Speed sensing auto door locking**
- **o Auto door unlock by using the driver's door lock button**
- **o Auto door unlock when the ignition key is removed from the ignition switch**
- **o Auto door lock/unlock when shifting the transaxle shift lever out of P(Park) or into P (Park)**

If you want to activate or deactivate some auto door lock/unlock features, consult an authorized Hyundai dealer.

B070F02NF-AAT

KEYLESS ENTRY SYSTEM

NOTE:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Locking doors

1. Close all doors.
2. Push the "LOCK ( )" 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 "UNLOCK ( )" button on the transmitter.
2. At the same time, the driver's door unlocks and the turn signal lights will blink twice to indicate that the system is disarmed.

NOTE:

If you wish to unlock all the doors, press the "UNLOCK" button on the transmitter again within 4 seconds.

Releasing the trunk lid

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

THEFT-ALARM SYSTEM

NOTE:
The transmitter will not work if any of following occur:
- **The ignition key is in ignition switch.**
- **You exceed the operating distance limit (10 m).**
- **The battery in the transmitter is weak.**
- **Other vehicles or objects may be blocking the signal.**
- **The weather is extremely cold.**
- **The transmitter is close to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the transmitter.**

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

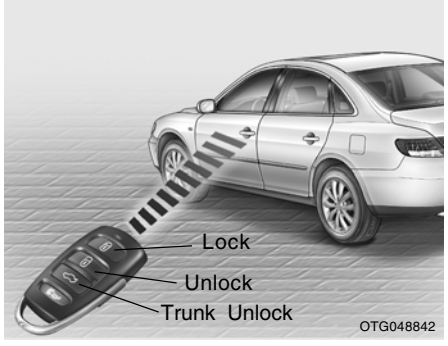
NOTE:
Keep the transmitter away from water or any liquid. If the keyless entry system is inoperative due to exposure to water or liquids, it will not be covered by your manufacturer vehicle warranty.

B070A01A-AAT

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 or lock the driver's door using the key after closing the all doors.

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 and audible alarm will sound 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.**

NOTE:
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.

B070C02TG-AAT
Alarm Stage

B070C01TG-A

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 or the ignition key.
2) The trunk lid is opened without using the transmitter or the ignition key.
3) The engine hood is opened.

The alarm horn will sound and the turn signal lights will blink continuously for 27 seconds (This will repeat 3 times). To turn off the system, unlock the door or trunk lid with the transmitter or the ignition key.

B070D01TG-AAT
Disarmed Stage

The system can be disarmed by using the transmitter or the ignition key.

Only the driver's door is unlocked by depressing once the "UNLOCK ( )" button on the transmitter. If you wish to unlock all doors, press the "UNLOCK ( )" button on the transmitter again within 4 seconds.

Whenever the step above is completed, the turn signal lights will blink and audible alarm will sound 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 for the interior light switch is depressed, the interior light will illuminate for 30 seconds.

B070E01TG-AAT

Panic Warning

1. Push the "PANIC" button on the transmitter.
2. At the same time, the alarm horn will sound and the turn signal lights will blink continuously for 30 seconds.
3. To turn off the system, push the "PANIC" button again on the transmitter.

B070E01NF-GAT

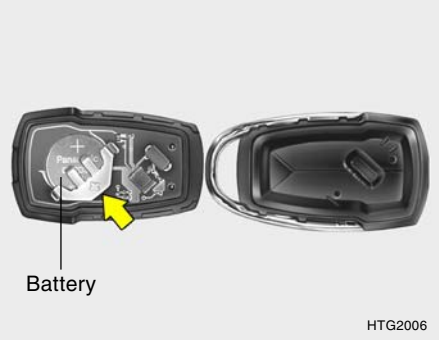
Replacing the battery

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:

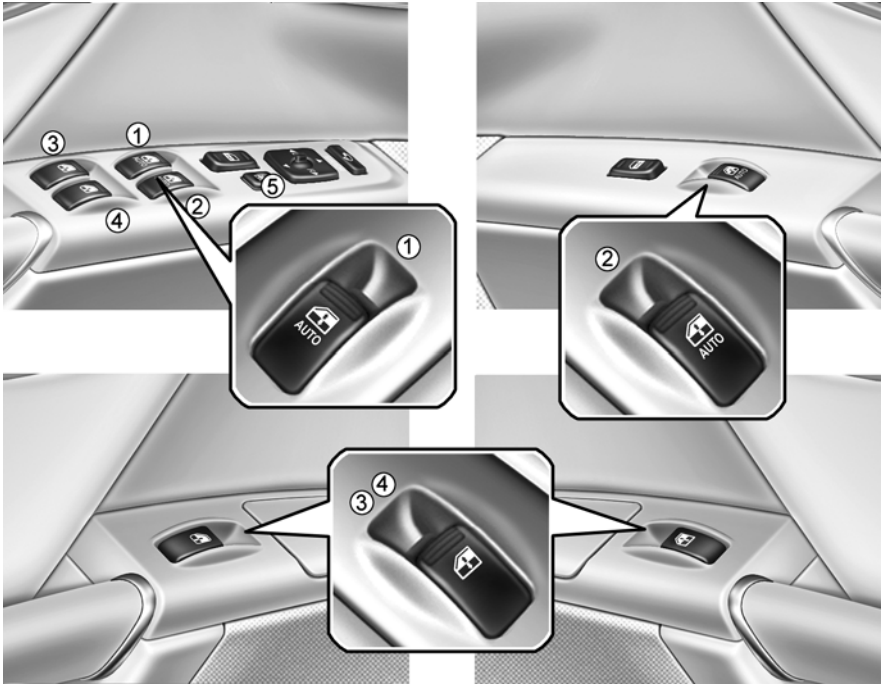
1. Carefully separate the case with a coin as shown in the illustration.



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

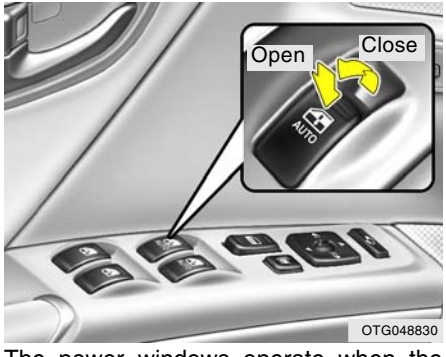


OTG048829

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

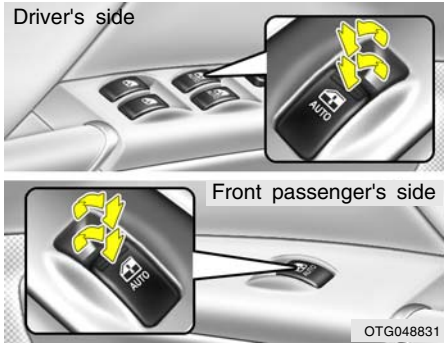
B060A01TG-GAT

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;

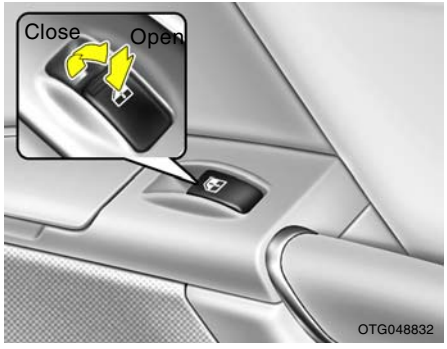
1. **Turn the ignition key to "ON" position.**
2. **Close each window and continue pulling up on each power window switch for at least 0.5 second after the window is completely closed.**

If the auto up/down window is not reset, the feature may not operate 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 this 30 second period, the power windows can no longer be operated without the ignition key turned to the "ON" position.



B060C02TG-AAT

Front Window Automatic Reverse Feature

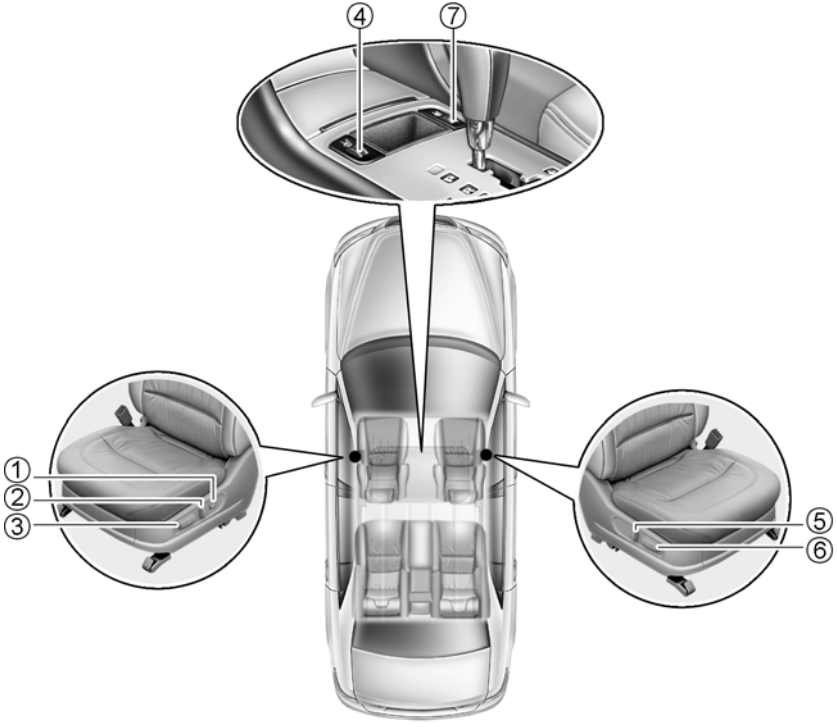
If the upward movement of the window is blocked by an object or part of the body, the window will detect the resistance and will stop upward movement. The window will then lower approximately 11.8 in.(30cm) to allow the object to be cleared.

WARNING:
- **The automatic reverse feature for the front window is only active when the "auto up" feature is used by fully pulling up the switch. The automatic reverse feature will not operate if the window is raised using the halfway position on the power window switch.**
- **Always check for obstructions before raising any window to avoid injuries or vehicle damage. If an object less than 0.16 in. (4 mm) in diameter is caught between the window glass and the upper window channel, the automatic reverse window may not detect the resistance and will not stop and reverse direction.**

WARNING:

- Passengers can be injured if their head, hands or other body parts are trapped by a closing window. Always check for obstructions before raising any window.
- NEVER leave the ignition key in the vehicle.
- NEVER leave any child unattended in the vehicle. Even very young children may inadvertently cause the vehicle to move, entangle themselves in the windows, or otherwise injure themselves or others.
- Do not attempt to operate the main switch on the driver's door and a switch on another door in opposing directions at the same time. If this is done, the window will stop and cannot be opened or closed.

B080A01TG-AAT



B080A01TG-A

Driver's seat

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

Front passenger's seat

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

B090A02TG-AAT

FRONT POWER SEATS

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 adjust the driver's seat while the vehicle is moving. Any sudden or unexpected movement of the seat could cause you to lose control of the vehicle resulting in an accident. Only adjust the driver's seat when the vehicle is stationary.**
- **Do not sit or lean unnecessarily close to the airbag. Position the seat so that you can sit as far back as possible from the airbag and still comfortably reach all controls.**

B090B01NF-GAT

Adjusting Seat Forward and Rearward

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

B090D01NF-AAT

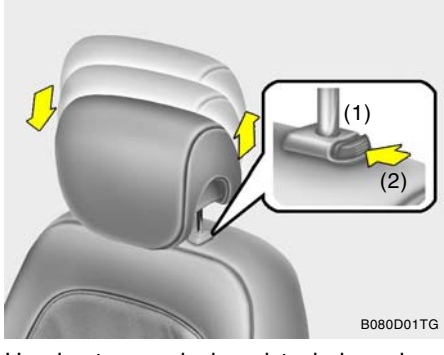
Adjusting Seatback Angle

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:
Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop. The protection of your restraint system (seat belts and airbags) is greatly reduced by reclining your seat. Seat belts must be snug against your hips and chest to work properly. The more the seatback is reclined, the greater the chance that an occupant's hips will slide under the lap belt or the occupant's neck will strike the shoulder belt. Drivers and passengers should always sit well back in their seats, properly belted, and with the seatbacks upright.

B080D01CM-AAT

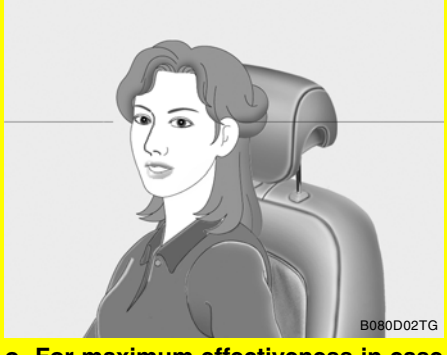
Adjustable Headrests



Headrests are designed to help reduce the risk of neck injuries. To raise the headrest, pull it up. To lower the headrest, push it down while pressing the release button. To remove the headrest, raise it as far as it can go then press the release button while pulling upward. This should only be done when the seat is not occupied.
To reinstall the headrest, put the headrest poles (1) into the holes while pressing the release button (2). Then adjust it to the appropriate height.

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

WARNING:



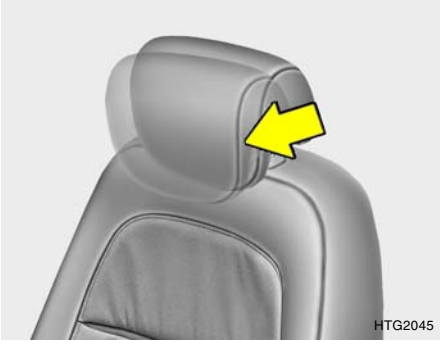
- **For maximum effectiveness in case of an accident, the headrest should be adjusted so the middle of the headrest is at the same height of the center of gravity of an occupant's head. Generally, the center of gravity of most people's head is similar with the height of the top of their eyes. Also, adjust the headrest as close to your head as possible. For this reason, the use of a cushion that holds the body away from the seatback is not recommended.**

WARNING:

- **Do not operate vehicle with the headrests removed as severe injury to the occupants may occur in the event of an accident. Headrests may provide protection against neck injuries when properly adjusted.**
- **Do not adjust the headrest position of the driver's seat while the vehicle is in motion.**

B081D01TG-AAT

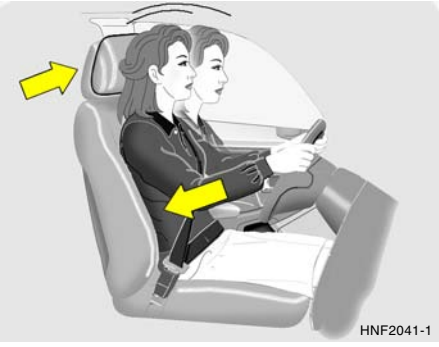
Forward and Backward Headrest Adjustment



The headrest may be adjusted forward to 3 different positions by pulling the headrest forward to the desired detent. To adjust the headrest to it's furthest backwards position, pull it fully forward to the farthest position and release it. Adjust the headrest so that it properly supports the head and neck.

B083D02NF-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 minimize 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 lumbar support, press the rear portion of the switch.

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.

I.M.S (INTEGRATED MEMORY SYSTEM)

B090E01TG-AAT

(If Installed)

The Integrated Memory System controls are located on the driver's door trim. After adjusting the position of the driver's seat, outside rearview mirrors and steering wheel (with electric tilt and telescopic column), use the I.M.S to memorize those positions. Two different driving position profiles can be entered in the I.M.S. After the positions are memorized by the system, when the ignition key is turned 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 integrated memory system. Have the I.M.S checked by an authorized Hyundai dealer.**

I.M.S control switch

Located on the driver's door trim and functions as follows;

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

1,2 : Used to memorize 2 different positions.

To memorize a position

1. Place the shift lever into "P" while the ignition switch is ON.
2. Adjust the driver's seat, outside rear-view mirrors and steering wheel (with electric tilt and telescopic column) 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 a position.

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

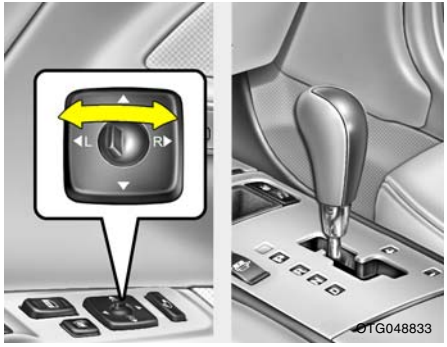
1. Place the shift lever into "P" while the ignition switch is ON.
2. When you push button "1" or "2", the driving position will be automatically adjusted to the position recorded for that button.

CAUTION:

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

1. **When the key is in the "OFF" positon.**
2. **When the vehicle is running above 1.86 MPH (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 (If Installed)



While the vehicle is moving backward, the outside rearview mirror(s) will move downward to aid reverse parking. 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 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.

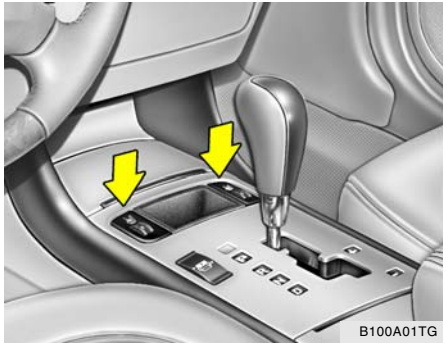
NOTE:

The outside rearview mirrors will automatically revert to their original positions under the following conditions:

1. **Ignition key is in the "LOCK" position.**
2. **Shift lever is moved to any position except "R".**
3. **Remote control outside rearview mirror switch knob is placed in the middle position.**

B100A01TG-AAT

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:

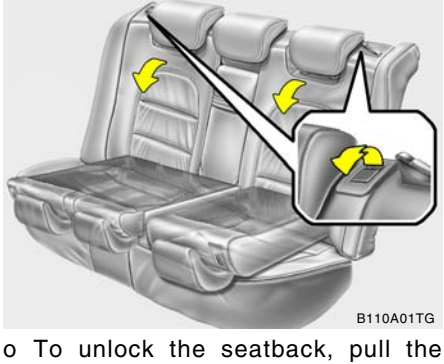
- **The seat warmer may not operate if the ambient temperature is warm.**
- **If the seat warmer doesn't operate when the ambient temperature is lower than 75.2°F (24°C), it must be checked at an authorized dealer.**

WARNING:
Do not turn on the seat warmers if the seat is occupied by someone who cannot monitor the temperature and turn off the seat warmer if it becomes too warm. The seat warmers should not be turned on when children, the elderly, ill people, and sleeping people occupy the seat.

B110A01NF-GAT

REAR SEAT

Folding Rear Seatbacks



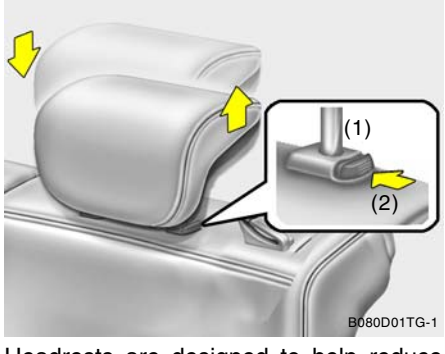
o To unlock the seatback, pull the seatback release lever, then pull forward on the seatback panel.

o 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.

B085D02TG-AAT

Adjustable Headrests



Headrests are designed to help reduce the risk of neck injuries. To raise the headrest, pull it up. To lower the headrest, push it down while pressing the release button. To remove the headrest, raise it as far as it can go then press the release button while pulling upward. This should only be done when the seat is not occupied.
To reinstall the headrest, put the headrest poles (1) into the holes while pressing the release button (2). Then adjust it to the appropriate height.

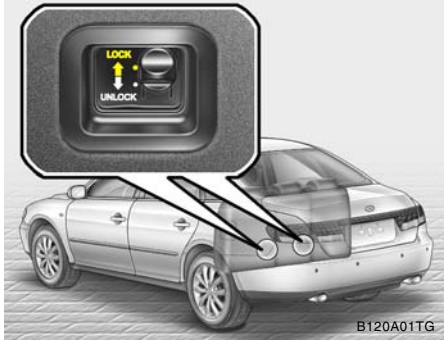
WARNING:
Make sure the headrest locks in position after adjusting it to properly protect the occupants.

WARNING:

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

B120A01NF-GAT

REAR SEATBACK SAFETY LOCK



If the rear seatback lock knob (located on the backside of the rear seatback) is in the "LOCK" position when the rear seatbacks are upright and 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 may strike and injure vehicle passengers.

SEAT BELTS

B150A02S-AAT

SEAT BELT PRECAUTIONS

WARNING:
All occupants of the vehicle must wear their seat belts at all times. Seat belts and child restraints reduce the risk of serious or fatal injuries for all occupants in the event of a collision or sudden stop. Without a seat belt, occupants could be shifted too close to a deploying airbag, strike the interior structure or be thrown from the vehicle. Properly worn seat belts greatly reduce these hazards. Even with advanced airbags, unbelted occupants can be severely injured by a deploying airbag. Always follow the precautions about seat belts, airbags and occupant safety contained in this manual.

B150B04Y-AAT

Infant or Small Child

All 50 states have child restraint laws. You should be aware of the specific requirements in your state. Child and/or infant safety seats must be properly placed and installed in the rear seat. Information about the use of these restraints begins on page 1-34.

WARNING:
Every person in your vehicle needs to be properly restrained at all times, including infants and children. Never hold a child in your arms or lap when riding in a vehicle. The violent forces created during a crash will tear the child from your arms and throw the child against the interior. Always use a child restraint appropriate for your child's height and weight, see page 1-34.

NOTE:
Small children are best protected from injury in an accident when properly restrained in the rear seat by a child restraint system that meets the requirements of the Federal Motor Vehicle Safety Standards. Before buying any child restraint system, make sure that it has a label certifying that it meets Federal Motor Vehicle Safety Standard 213. The restraint must be appropriate for your child's height and weight. Check the label on the child restraint for this information. See page 1-34.

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.

B150G02A-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 provide proper protection if the person is lying down in the rear seat or if the front seat is in a reclined position.

WARNING:
Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop. The protection of your restraint system (seat belts and airbags) is greatly reduced by reclining your seat. Seat belts must be snug against your hips and chest to work properly. The more the seatback is reclined, the greater the chance that an occupant's hips will slide under the lap belt causing serious internal injuries or the occupant's neck could strike the shoulder belt. Drivers and passengers should always sit well back in their seats, properly belted (see page 1-30), and with the seatbacks upright.

B160A02A-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. A seat belt with damaged webbing or buckle will not be as strong and could possibly fail during a collision or sudden stop, resulting in serious injury.

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.

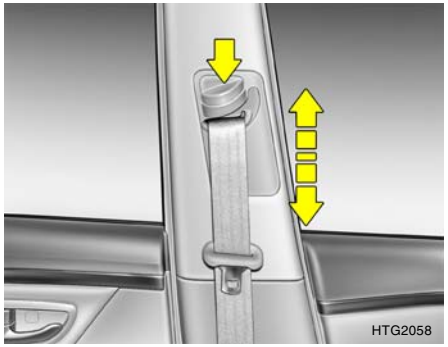
B160C01A-AAT
Keep Belts Clean and Dry

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-AAT
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 down to make sure that it has locked into position.

WARNING:
- **Verify the shoulder belt anchor is locked into position at the appropriate height. Never position the shoulder belt across your neck or face. Improperly positioned seat belts can cause serious injuries in an accident.**
- **Failure to replace seat belts after an accident could leave you with damaged seat belts that will not provide protection in the event of another collision leading to personal injury or death. Replace your seat belts after being in an accident as soon as possible.**

B180A02TG-AAT

SEAT BELT-Driver's 3-Point System with Emergency Locking Retractor

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 portion 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.

NOTE:

- **If you are not able to pull out the seat belt from the retractor, firmly pull the belt out and release it. Then you will be able to pull the belt out smoothly.**
- **If the driver's seat belt is not fastened when the ignition key is turned to the "ON" position, the seat belt warning light will blink and the warning chime will sound for approximately six seconds to remind the driver to fasten the driver's seat belt. See page 1-68.**

B190A02TG-AAT

SEAT BELTS-Front Passenger and Rear Seat 3-Point System with Combination Locking Retractor

Combination retractor type seat belts are installed in the rear seat positions to help accommodate the installation of child restraint systems. Although a combination retractor is also installed in the front passenger seat position, Hyundai strongly recommends that children always be seated in the rear seat. NEVER place any infant restraint system in the front seat of the vehicle.
This type of seat belt combines the features of both an emergency locking retractor seat belt and an automatic locking retractor seat 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. When not securing a child restraint, the seat belt operates in the same way as the driver's seat belt (Emergency Locking Retractor Type). It automatically adjusts to the proper length only after the lap belt portion of the seat belt is adjusted manually so that it fits snugly around your hips. When the seat belt is fully extended from the retractor to allow the installation of a child restraint system, the seat belt operation changes to allow the belt to retract, but not to extend (Automatic Locking Retractor Type). See page 1-39.

NOTE:

- **Although the combination retractor provides the same level of protection for seated passengers in either emergency or automatic locking modes, it is recommended that seated passengers use the emergency locking feature for improved convenience.**
  The automatic locking function is intended to facilitate child restraint installation. To convert from the automatic locking feature to the emergency locking operation mode, allow the unbuckled seat belt to fully retract.

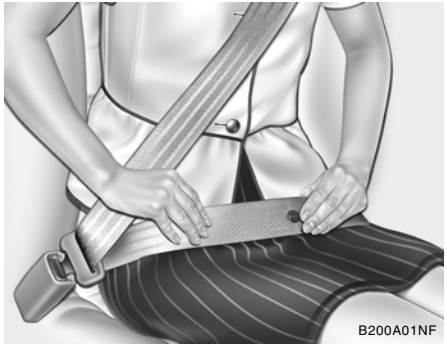
- If the front passenger's seat belt is not fastened when the ignition key is turned to the "ON" position, the seat belt warning light on the center fascia panel will blink for approximately six seconds to remind the front passenger to fasten the front passenger's seat belt. See page 1-68.

WARNING:
- For maximum restraint system protection, the seat belts must always be used whenever the car is moving.
- Seat belts are most effective when seatbacks are in the upright position.
- Children age 12 and younger must always be properly restrained in the rear seat. Never allow children to ride in the front passenger seat. If a child over 13 must be seated in the front seat, he/she must be properly belted and the seat should be moved as far back as possible.

WARNING:
- Never wear the shoulder belt under your arm or behind your back. An improperly positioned shoulder belt can cause serious injuries in a crash. The shoulder belt should be positioned midway over your shoulder across your collarbone.
- Avoid wearing twisted seat belts. A twisted belt can't do its job as well. In a collision, it could even cut into you. Be sure the belt webbing is straight and not twisted.
- Be careful not to damage the belt webbing or hardware. If the belt webbing or hardware is damaged, replace it.

B200A01A-AAT

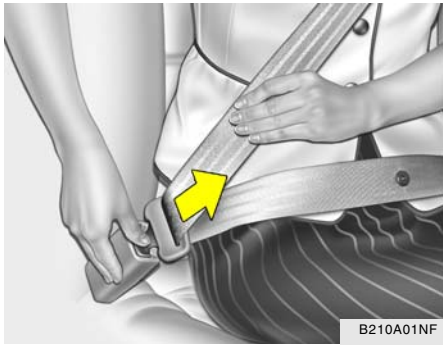
Adjusting Your Seat Belt



WARNING:
You should place the lap belt portion as low as possible and snugly across your hips, not on your waist. If the lap belt is located too high on your waist, it may increase the chance of injury in the event of a collision. 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

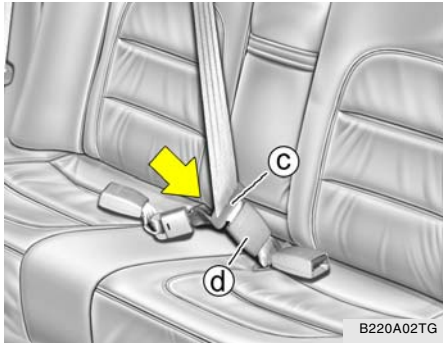


The seat belt is released by pressing the release button in the locking buckle. When it is released, the belt should automatically draw back into the retractor.
If this does not happen, check the belt to be sure it is not twisted, then try again.

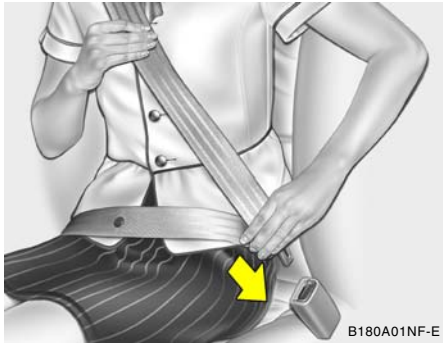
B200A02NF-AAT

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

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.



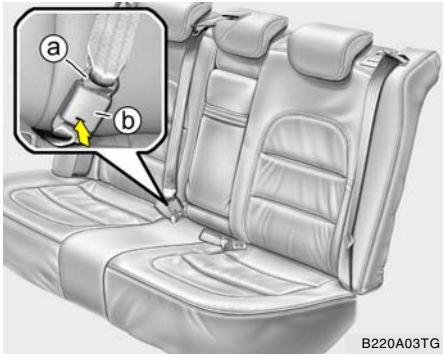
3. After confirming that (a) and (b) are latched, pull the seat belt out of the retractor and insert the metal tab (c) into the buckle (d).



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:

- **Never let anyone ride in the rear center seat without fastening all metal tabs and buckles as described in this section. This seat belt is designed to function as a typical 3-point restraint (lap/shoulder belt). Using only the shoulder portion or lap portion of the belt can result in serious or fatal injuries in the event of a collision or sudden stop.**
- **Never unlock the metal tab (A) and the buckle (B) with the following exceptions.**
  (1) In case of folding rear seatbacks down.
  (2) If transporting an object on the rear seat may cause damage to the rear seat center belt.



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

WARNING:

Always lock metal tab (A) into buckle (B) immediately after returning the rear seatbacks to an upright position. This portion of the rear center seat belt should only be unbuckled when the rear seatback is folded down.

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.

B230A06Y-AAT

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 provided by the National Highway Traffic Safety Administration (NHTSA), 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. All 50 states have child restraint laws. You should be aware of the specific requirements in your state. Child and/or infant safety seats must be properly placed and installed in the rear seat. You must use a commercially available child restraint system that meets the requirements of the Federal Motor Vehicle Safety Standards (FMVSS).

Child restraint systems are designed to be secured in vehicle seats by lap belts or the lap belt portion of a lap/shoulder belt, or by a LATCH system (If Installed).

Children could be injured or killed in a crash if their restraints are not properly secured. For small children and babies, a child seat or infant seat must be used. Before buying a particular child restraint system, make sure it fits your car 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 may be seriously injured or killed by an inflating airbag. All children, even those too large for child restraints, must ride in the rear seat.**

WARNING:

To reduce the chance or serious or fatal injuries:

- **Children of all ages are safer when restrained in the rear seat. A child riding in the front passenger seat can be forcefully struck by an inflating airbag resulting in serious or fatal injuries.**
- **Always follow the instructions for installation and use of the child restraint maker.**
- **Always make sure the child seat is secured properly in the car and your child is securely restrained in the child seat.**
- **Never hold a child in your arms or lap when riding in a vehicle. The violent forces created during a crash will tear the child from your arms and throw the child against the car's interior.**
- **Never put a seat belt over yourself and a child. During a crash, the belt could press deep into the child causing serious internal injuries.**

WARNING:

- **Never leave children unattended in a vehicle – not even for a short time. The car can heat up very quickly, resulting in serious injuries to children inside. Even very young children may inadvertently cause the vehicle to move, entangle themselves in the windows, or lock themselves or others inside the vehicle.**
- **Never allow two children, or any two persons, to use the same seat belt.**
- **Children often squirm and reposition themselves improperly. Never let a child ride with the shoulder belt under their arm or behind their back. Always properly position and secure children in rear seat.**
- **Never allow a child to stand-up or kneel on the seat or floorboard of a moving vehicle. During a collision or sudden stop, the child can be violently thrown against the vehicles interior, resulting in serious injury.**
- **Never use an infant carrier or a child safety seat that "hooks" over a seatback, it may not provide adequate security in an accident.**

WARNING:

- **Seat belts can become very hot, especially when the car is parked in direct sunlight. Always check seat belt buckles before fastening them over a child.**
- **Always store or secure a child seat, even when it is not in use. During a collision or sudden stop, the child seat could be thrown inside the vehicle.**

B230B01NF-AAT

Using a Child Restraint System

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

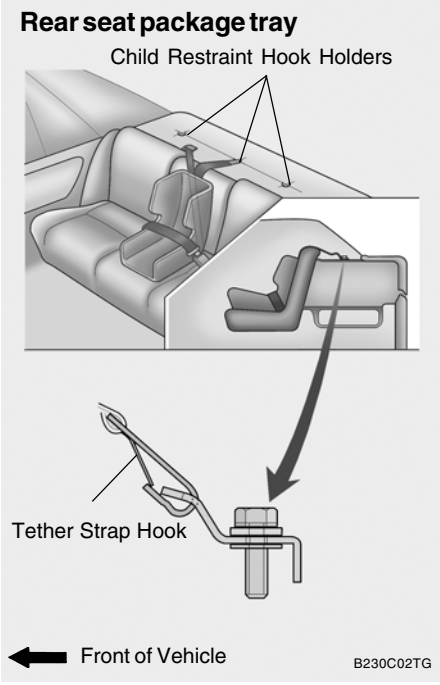
B230C05A-AAT

Installing a Child Restraint Seat with the "Tether Anchorage" System

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

To install the child restraint seat

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



2. Route the child restraint seat tether strap over the seatback.

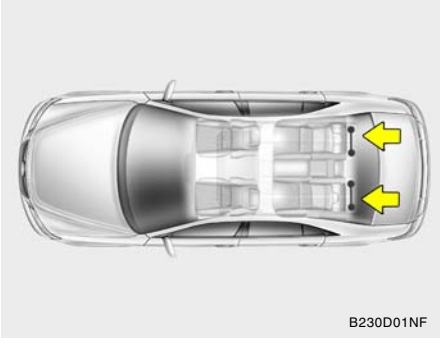
   For vehicles with adjustable headrests, route the tether strap under the headrest and between the headrest posts, otherwise route the tether strap over the top of the seatback.
3. Connect the tether strap hook to the child restraint hook holder and tighten to secure the seat.

WARNING:

- **A child can be seriously injured or killed in a collision if the child restraint is not properly anchored. Always follow the child seat manufacturer's instructions for installation and use.**
- **Never mount more than one child restraint to a single tether or to a single lower anchorage point. The increased load caused by multiple seats may cause the tethers or anchorage points to break, causing serious injury or death.**

B230D08E-AAT

Securing the Child Restraint Seat with the "Child Seat Lower Anchor" system



Some child seat manufacturers make safety seats that are labeled as LATCH or LATCH-compatible child seats. LATCH stands for "Lower anchors and Tethers for Children". These seats include two rigid or webbing mounted attachments that connect to two LATCH anchors at specific seating positions in your vehicle. This type of child seat eliminates the need to use seat belts to attach the child seat in the rear seats.

LATCH anchors have been provided in your vehicle. The LATCH anchors are located in the left and right outboard rear seating positions.

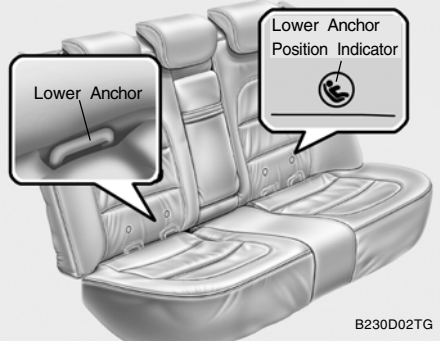
Their locations are shown in the illustration. There is no LATCH anchor provided for the center rear seating position.

WARNING:

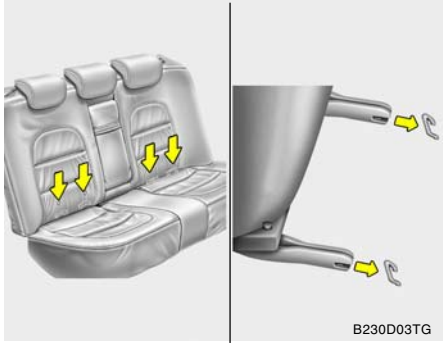
- **A child can be seriously injured or killed in a collision if the child restraint is not properly anchored. Always follow the child seat manufacturer's instructions for installation and use.**
- **Never install a child restraint using the LATCH lower anchors at the center position of the rear seat. In a crash, the LATCH lower anchors may break if a car seat is improperly placed in the center position resulting in serious or fatal injuries. Only place a LATCH or LATCH-compatible child seat in the left or right out-board rear seating positions (as shown) to the appropriate LATCH anchors provided.**

WARNING:

- **Never mount more than one child restraint to a single tether or to a single lower anchorage point. The increased load caused by multiple seats may cause the tethers or anchorage points to break, causing serious injury or death.**
- **When using the vehicle's "LATCH" 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.**



Child restraint symbols are located on the left and right rear seatbacks to indicate the position of the lower anchors for child restraints.



Follow the child seat manufacturer's instructions to properly install child restraint seats with LATCH or LATCH-compatible attachments.

Once you have installed the LATCH child restraint seat, assure that the seat is properly attached to the LATCH and tether anchors. Also, test the safety seat before you place the child in it. Tilt the seat from side to side. Also try to tug the seat forward. Check to see if the anchors hold the seat in place.

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

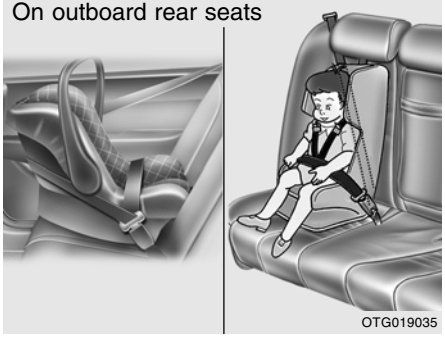
WARNING:
A child can be seriously injured or killed in a collision if the child restraint is not properly anchored to the car and the child is not properly restrained in the child restraint. Always follow the child seat manufacturer's instructions for installation and use.

B230G02TG-AAT

Child Restraint System Installation on Rear Seats

On rear seat center position

On outboard rear seats



To install a child restraint system in the rear seats, extend the shoulder/lap belt entirely from its retractor until a "click" is felt. This will engage the seat belt retractor automatic locking feature, which allows the seat belt to retract but not extend. Install the child restraint system, buckle the seat belt and allow the seat belt to take up any slack. Make sure that the lap portion of the belt is tight around the child restraint system and the shoulder portion of the belt is positioned so that it cannot interfere with the child's head or neck. Also, double check to be sure that the retractor has engaged the Automatic Locking feature by trying to extend webbing out of the retractor. If the retractor is in the Automatic Locking mode, the belt will be locked. 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 in any seating position, 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:

- **If the retractor is not in the Automatic Locking mode, the child restraint can move when your vehicle turns or stops suddenly. A child can be seriously injured or killed if the child restraint is not properly anchored to the car, including setting the retractor to the Automatic Locking mode.**
- **Do not install any child restraint system in the front passenger seat. Should an accident occur and cause the passenger side airbag to deploy, it could severely injure or kill an infant or child seated in an infant or child seat. Therefore, only use a child restraint system in the rear seat of your vehicle.**
- **Before installing Child Restraint Systems to vehicles fitted with Curtain Airbags, always refer to safety notices for Curtain Airbag systems in this manual. Whenever installing child restraints, use only approved devices and refer to the "Child Restraint System" section to ensure correct installation and occupant protection is maximized.**

B180B03TG-AAT

Pre-tensioner Seat Belt

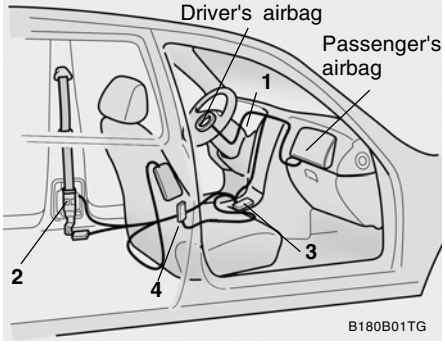
Your Hyundai vehicle is equipped with driver's and front passenger's pre-tensioner seat belts. The purpose of the pre-tensioner is to make sure that the seat belts fit tightly against the occupant's body in certain frontal collisions. The pre-tensioner seat belts can be activated alone or, where the frontal collision is severe enough, together 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. Their 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:

- **The seatbelt must be work correctly and adjusted to the proper position (see pages 1-29 and 1-30). Please read and follow all of the important information and precautions about your vehicle's occupant safety features – including seat belts and advanced airbags – that are provided in this manual.**
- **Be sure you and your passengers always wear seat belts and wear them properly.**

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 alone or, where the frontal collision is severe enough, together with the airbags.**
  The pre-tensioners will not be activated if the seat belts are not being worn at the time of the collision.
- **When the pre-tensioner seat belts are activated, a loud noise may be heard and fine dust, which may appear to be smoke, may be visible in the passenger compartment. These are normal operating conditions and are not hazardous.**
- **Although it is harmless, the fine dust may cause skin irritation and should not be breathed for prolonged periods. Wash all exposed skin areas thoroughly after an accident in which the pre-tensioner seat belts were activated.**

CAUTION:

- The sensor that activates the SRS airbag is connected with the pre-tensioner seat belt. The SRS airbag warning light AIR BAG on the instrument panel will illuminate for approximately 6 seconds after the ignition key has been turned to the "ON" position, and then it should turn off.
- If the pre-tensioner seat belt is not working properly, this warning light will illuminate even if there is no malfunction of the SRS airbag. If the SRS airbag warning light does not illuminate when the ignition key is turned to the "ON" position, remains illuminated after approximately 6 seconds 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 advanced SRS airbag system as soon as possible.

WARNING:

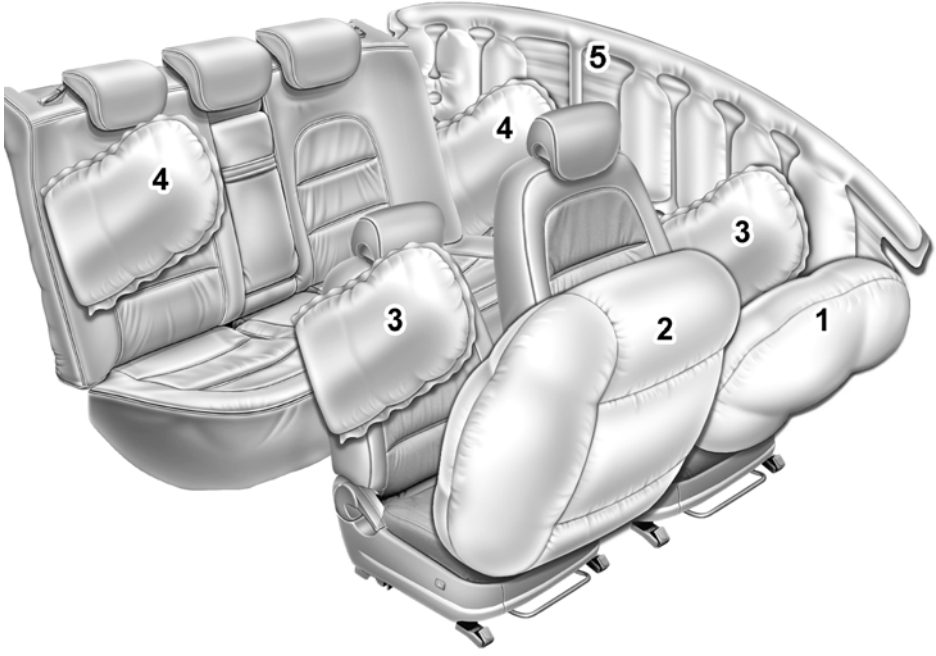
- Pre-tensioners are designed to operate only one time. After activation, pre-tensioner seat belts and seat belt buckles must be replaced. All seat belts, of any type, should always be replaced after they have been worn during a collision.
- The pre-tensioner seat belt assembly mechanisms become hot 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 or buckle assemblies.
- Do not attempt to service or repair the pre-tensioner seat belt system in any manner.

WARNING:

- 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 and buckle 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.
- If the vehicle or pre-tensioner seat belt must be discarded, contact an authorized HYUNDAI dealer.

ADVANCED SUPPLEMENTAL RESTRAINT (AIRBAG) SYSTEM (SRS)

B240D01TG-AAT



B240D01TG

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

B240A03TG-AAT

Driver's and Passenger's Front Airbag

Driver's Front Airbag

B240A01TG

Your Hyundai is equipped with an advanced Supplemental Restraint (Airbag) System and lap/shoulder belts at both the driver and passenger seating positions. The indications of the system's presence are the letters "SRS AIRBAG" embossed on the airbag pad cover in the steering wheel and the passenger's side front panel pad above the glove box.

The Hyundai SRS consists of airbags installed under the pad covers in the center of the steering wheel and the passenger's side front panel above the glove box.

The purpose of the SRS is to provide the vehicle's driver and/or the front passenger with additional protection than that offered by the seat belt system alone in case of a frontal impact of sufficient severity.
The SRS uses sensors to gather information about the driver's seat position, the driver's and front passenger's seat belt usage and impact severity.

The driver's seat track position sensor, which is installed on the seat track, determines if the seat is fore or aft of a reference position. The seat belt buckle sensors determine if the driver and front passenger's seat belts are fastened. These sensors provide the ability to control the SRS deployment based on how close the driver's seat is to the steering wheel, whether or not the seat belts are fastened, and how severe the impact is.

The advanced SRS offers the ability to control the airbag inflation with two levels. A first stage level is provided for moderate-severity impacts. A second stage level is provided for more severe impacts.

According to the impact severity, seating position and seat belt usage, the SRSCM(SRS Control Module) controls the airbag inflation. Failure to properly wear seat belts can increase the risk or severity of injury in an accident.

Additionally, your Hyundai is equipped with an occupant classification system in the front passenger's seat. The occupant classification system detects the presence of a passenger in the front passenger's seat and will turn off the front passenger's airbag under certain conditions. For more detail, see "Occupant Classification System" later in this section.

CAUTION:

If a seat track position sensor or an occupant classification system is not working properly, the SRS airbag warning light AIR BAG on the instrument panel will illuminate because the SRS airbag warning light is connected with the seat track position sensor and the occupant classification system. If the SRS airbag warning light does not illuminate when the ignition key is turned to the "ON" position, remains illuminated after approximately 6 seconds 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 advanced SRS airbag system as soon as possible.

WARNING:

- Modification to the seat structure can adversely affect the seat track position sensor and cause the airbag to deploy at a different level than should be provided.
- Do not place any objects underneath the front seats as they could damage the seat track position sensor or interfere with the occupant classification system.
- Do not place any objects that may cause magnetic fields near the front seat. These may cause a malfunction of the seat track position sensor.

NOTE:

- Be sure to read information about the SRS on the label provided on the reverse of the sun visor.
- Advanced airbags are combined with pre-tensioner seat belts to help provide enhanced occupant protection in frontal crashes. Front airbags are not intended to deploy in collisions in which sufficient protection can be provided by the pre-tensioner seat belt.
- If you are considering modification of your vehicle due to a disability, please contact the Hyundai Customer Assistance Center at 1-800-633-5151.

WARNING:

Always use seat belts and child restraints – every trip, every time, everyone! Airbags inflate with considerable force and in the blink of an eye. Seat belts help keep occupants in proper position to obtain maximum benefit from the airbag. Even with advanced airbags, improperly and unbelted occupants can be severely injured when the airbag inflates. Always follow the precautions about seat belts, airbags and occupant safety contained in this manual.

To reduce the chance of serious or fatal injuries and receive the maximum safety benefit from your restraint system:

- **Never place a child in any child or booster seat in the front seat (see child restraints 1-34).**
- **ABC – Always Buckle Children in the back seat. It is the safest place for children of any age to ride.**
- **Front and side impact airbags can injure occupants improperly positioned in the front seats.**

WARNING:

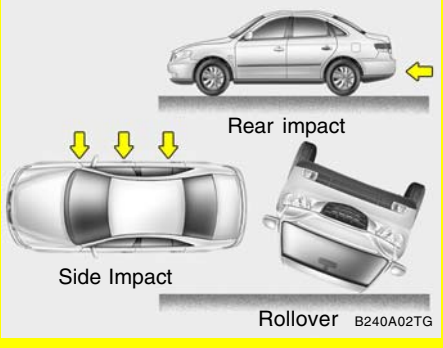
- **Move your seat as far back as practical from the front airbags, while still maintaining control of the vehicle.**
- **Never sit or lean unnecessarily close to the front or side airbags.**
- **Never lean against the door or center console – always sit in an upright position.**
- **Do not allow an adult passenger to ride in the front seat when the "Passenger Airbag OFF" indicator is illuminated, because the airbag will not deploy in the event of a moderate or severe frontal crash.**
- **Never place objects over or near any airbag module (front or side impact airbags), because these objects can injure passengers in a crash.**
- **Never place covers, blankets or aftermarket seat warmers on the passenger seat as these may interfere with the occupant classification system.**
- **Do not tamper or disconnect SRS wiring or other components. Injuries could result from inadvertent deployment or failure of the airbag to deploy in a crash.**

WARNING:

- **If the SRS airbag warning light (see pg 1-70) remains illuminated while the vehicle is being driven, have an authorized Hyundai dealer inspect the airbag system as soon as possible.**
- **Airbags can only be used once – have an authorized Hyundai dealer replace the airbag immediately after deployment.**
- **The SRS is designed to deploy the front airbags only when an impact is sufficiently severe and when the impact angle is within a range as measured from the forward longitudinal axis of the vehicle. The front airbags will not deploy in side, rear or rollover impacts. Additionally, the airbags will only deploy once. Seat belts must be worn at all times.**

WARNING:

- Front airbags are not intended to deploy in side-impact, rear-impact or rollover crashes. In addition, front airbags will not deploy in frontal crashes below the deployment threshold.



WARNING:

- Move your seat as far back as practical from the front airbags, while still maintaining control of the vehicle. You and your passengers should never sit or lean unnecessarily close to the airbags. Improperly positioned drivers and passengers can be severely injured by inflating airbags.
- 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. Deployed airbags WILL NOT inflate again and will provide no protection in subsequent collisions.
- Do not tamper with or disconnect SRS wiring or other components of the SRS system. Doing so could result in injury, due to accidental deployment of the airbags or by rendering the SRS inoperative.

WARNING:

- Even though your vehicle is equipped with the occupant classification system, 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.
- Children younger than 13 years must always be properly restrained in the rear seat. Never allow children to ride in the front passenger seat. If a child over 13 must be seated in the front seat, he or she must be properly belted and the seat should be moved as far back as possible.
- For maximum safety protection in all types of crashes, all occupants including the driver should always wear their seat belts whether or not an airbag is also provided at their seating position to minimize the risk of severe injury or death in the event of a crash. Do not sit or lean unnecessarily close to the airbag while the vehicle is in motion.

WARNING:

- **Sitting improperly or out of position can result in serious or fatal injury in a crash. All occupants should sit upright with the seat back in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor until the vehicle is parked and the ignition key is removed.**
- **The SRS airbag system must deploy very rapidly to provide protection in a crash. If an occupant is out of position because of not wearing a seat belt, the airbag may forcefully contact the occupant causing serious or fatal injuries.**

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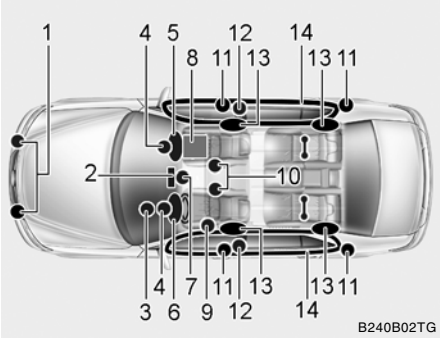
SRS Components and Functions

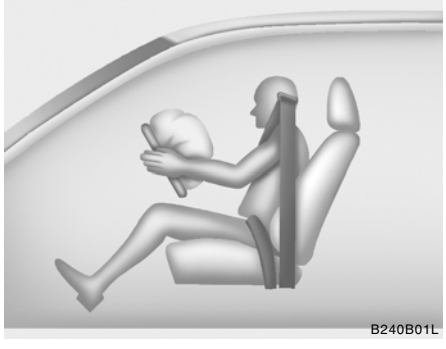


The SRS consists of the following components:

1. Front Impact Sensor
2. "PASS AIR BAG OFF" Indicator (Front passenger's seat only)
3. SRS "AIRBAG" warning light
4. Knee Bolster
5. Passenger's Airbag Module
6. Driver's Airbag Module
7. SRS Control Module (SRSCM)
8. Occupant Classification System (Front passenger's seat only)
9. Driver's Seat Track Position Sensor
10. Driver's and Front Passenger's Seat Belt Buckle Sensors/Buckle Pre-tensioner Assemblies
11. Side Impact Sensor
12. Retractor Pre-tensioner Assemblies
13. Side Impact Airbag Module
14. Curtain Airbag Module

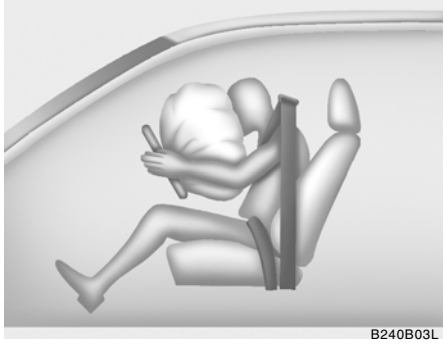
The SRSCM continually monitors all elements while the ignition is "ON" to determine if a frontal or near-frontal impact is severe enough to require front airbag deployment or pre-tensioner seat belt deployment.

The SRS "AIRBAG" warning light on the instrument panel will illuminate for approximately 6 seconds after the ignition key is turned to the "ON" position or after the engine is started, after which the "AIRBAG" warning light 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 sufficiently severe impact to the front of the vehicle, it will automatically deploy the front 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.

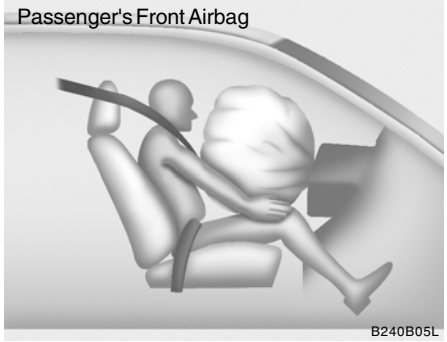


A fully inflated airbag, in combination with a properly worn seat belt, slows the driver's or the passenger's forward motion, reducing the risk of head and chest injury.

After complete inflation, the airbag immediately starts deflating, enabling the driver to maintain forward visibility and the ability to steer or operate other controls.

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



WARNING:

- If an airbag deploys, there may be a loud noise followed by a fine dust released in the vehicle. These conditions are normal and are not hazardous - the airbags are packed in this fine powder. The dust generated during airbag deployment may cause skin or eye irritation as well as aggravate asthma for some persons. Always wash all exposed skin areas thoroughly with lukewarm water and a mild soap after an accident in which the airbags were deployed.

WARNING:

- The SRS can function only when the ignition key is in the "ON" position. If the SRS "AIRBAG" warning light does not illuminate, or continuously remains on after illuminating for about 6 seconds when the ignition key is turned to the "ON" position, or after the engine is started, comes on while driving, the SRS is not working properly. If this occurs, have your vehicle immediately inspected by your Hyundai dealer.
- Before you replace a fuse or disconnect a battery terminal, turn the ignition key to the "LOCK" position and remove the ignition key. Never remove or replace the airbag related fuse(s) when the ignition key is in the "ON" position. Failure to heed this warning will cause the SRS "AIRBAG" warning light to illuminate.

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OCCUPANT CLASSIFICATION SYSTEM

Your vehicle is equipped with an occupant classification system in the front passenger's seat.
The Occupant Classification system is designed to detect the presence of a properly-seated front passenger and determine if the passenger's front airbag should be enabled (may inflate) or not. The driver's front airbag is not affected or controlled by the Occupant Classification system.

Main components of occupant classification system

- o A detection device located within the front passenger seat cushion.
- o Electronic system to determine whether passenger airbag systems (both front and side) should be activated or deactivated.
- o A warning light located on the instrument panel which illuminates the words "PASS AIR BAG OFF" indicating the front passenger airbag system is deactivated.
- o The instrument panel airbag warning light is interconnected with the occupant classification system.

If the front passenger seat is occupied by a person that the system determines to be of adult size sitting properly (sitting upright with the seatback in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor), the "PASS AIR BAG OFF" indicator will be turned off and the front passenger's airbag will be able to inflate, if necessary, in frontal crashes.
You will find the "PASS AIR BAG OFF" indicator on the center facia panel. The following table summarizes the functioning of the system depending on the front passenger seat occupant.

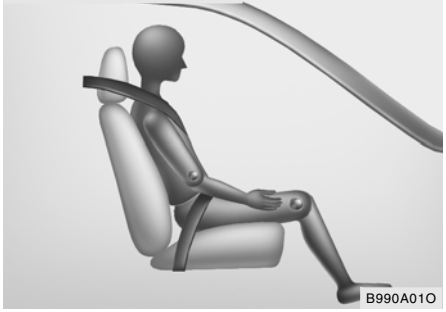
Always be sure that you and all vehicle occupants are seated and restrained properly (sitting upright with the seat in an upright position, centered on the seat cushion, with the person's legs comfortably extended, feet on the floor, and wearing the safety belt properly) for the most effective protection by the air bag and the safety belt.

- o The OCS may not function properly if the passenger takes actions which can defeat the detection system. These include:
  (1) Failing to sit in an upright position.
  (2) Leaning against the door or center console.
  (3) Sitting towards the sides or the front of the seat.
  (4) Putting legs on the dashboard or resting them on other locations which reduce the passenger weight on the front seat.
  (5) Improperly wearing the safety belt.
  (6) Reclining the seatback.

Condition detected by the occupant classification system	"PASS AIR BAG OFF" indicator light	SRS warning light	Front passenger airbag
1. Adult*1	Off	Off	Activated
2. Child*2 or child restraint system*3	On	Off	Deactivated
3. Unoccupied	On	Off	Deactivated

*1) The system judges a person of adult size as an adult. When a smaller adult sits in the front passenger seat, the system may recognize him/her as a child depending on his/her physique and posture.
*2) Do not allow children to ride in the front passenger seat. When a larger child who has outgrown a child restraint system sits in the front passenger seat, the system may recognize him/her as an adult depending on his/her physique or posture.
*3) Never install a child restraint system on the front passenger seat.

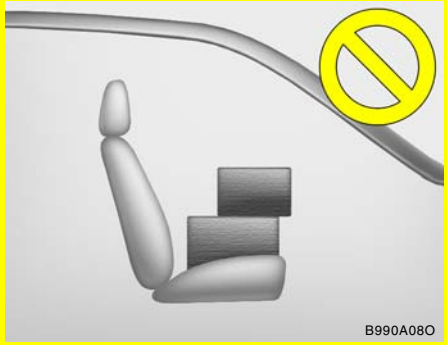
Proper seating position



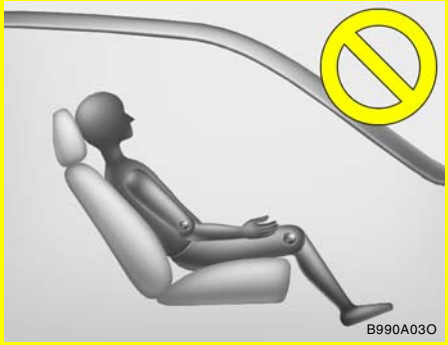
When an adult is seated in the front passenger seat, if the "PASS AIR BAG OFF" indicator is on, turn the ignition key to "LOCK" and ask the passenger to sit properly (sitting upright with the seat back in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor). Restart the engine and have the person remain in that position for about 30 seconds. This will allow the system to detect the person and to enable the passenger airbag. If the "PASS AIR BAG OFF" indicator is still on, turn the ignition key to "LOCK" and ask the passenger to sit properly and restart the engine again. If the "PASS AIR BAG OFF" indicator is still on, ask the passenger to move to the rear seat.

WARNING:

o Riding in an improper position or placing weight on the front passenger's seat when it is unoccupied by a passenger adversely affects the occupant classification system (OCS).



- NEVER put a heavy load in the front passenger seat.



- NEVER excessively recline the front passenger seatback.

- NEVER sit with hips shifted towards the front of the seat.

- NEVER lean on the center console.
- NEVER sit on one side of the front passenger seat.

- NEVER place feet on the dashboard.

WARNING:

- A smaller-stature adult who is not seated correctly (for example: seat excessively reclined, leaning on the center console, or hips shifted forward in the seat) can cause a condition where the advanced frontal airbag system senses less weight than if the occupant were seated properly (sitting upright with the seatback in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor). This condition can result in an adult potentially being misclassified and illumination of the "PASS AIR BAG OFF" indicator.
- Do not allow an adult passenger to ride in the front seat when the "PASS AIR BAG OFF" indicator is illuminated, because the airbag will not deploy in the event of a crash. If the "PASS AIR BAG OFF" indicator remains illuminated after the passenger repositions themselves properly and the car is restarted, Hyundai recommends that passenger move to the rear seat because the passenger's front airbag will not deploy.

WARNING:

- The "PASS AIR BAG OFF" indicator will not change according to the occupants posture after the vehicle has been running for 30 seconds. Front seat passengers must stay properly seated to avoid serious injury from a deploying airbag. For more information see page 1-51.

NOTE:

The "PASS AIR BAG OFF" indicator illuminates for about 4 seconds after the ignition key is turned to the "ON" position or after the engine is started. If the front passenger seat is occupied, the occupant classification sensor will then classify the front passenger within approximately 8 seconds after the ignition is turned on.

CAUTION:

If the occupant classification system is not working properly, the SRS airbag warning light AIR BAG on the instrument panel will illuminate because the passenger's front airbag is connected with the occupant classification system. If there is a malfunction of the occupant classification system, the "PASS AIR BAG OFF" indicator will illuminate and the passenger's front airbag will not inflate in frontal impact crashes even if there is no occupant in the front passenger's seat. If the SRS airbag warning light does not illuminate when the ignition key is turned to the "ON" position, remains illuminated after approximately 6 seconds 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 occupant classification system and the SRS airbag system as soon as possible.

WARNING:

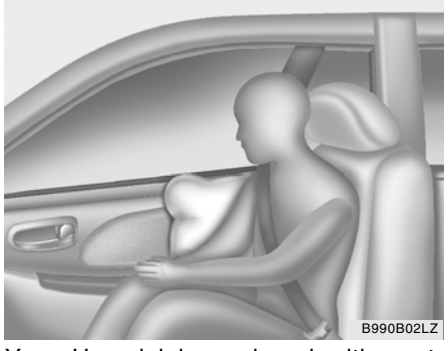
- Even though your vehicle is equipped with the occupation classification system, never install a child restraint system in the front passenger's seat. A deploying airbag can forcefully strike a child resulting in serious injuries or death. Any child under 13 years of age should ride in the rear seat. Children too large for child restraints should use the available lap/shoulder belts. No matter what type of crash, children of all ages are safer when restrained in the rear seat.
- If the "PASS AIR BAG OFF" indicator is illuminated when the front passenger's seat is occupied by an adult sitting properly (sitting upright with the seatback in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor), have that person sit in the rear seat.

WARNING:

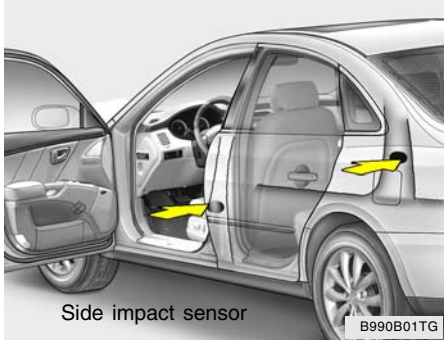
- **If you change the weight on the front passenger seat, the "PASS AIR BAG OFF" indicator may be turned on or off for a few seconds, disabling or enabling the passenger airbags.**
- **Do not modify or replace the front passenger seat. Don't place anything on or attach anything such as a blanket or after market seat heater to the front passenger seat. This can adversely affect the occupant classification system.**
- **Do not sit on sharp objects such as tools when occupying the front passenger seat. This can adversely affect the occupant classification system.**
- **Do not use accessory seat covers on the front seats.**
- **Airbags can only be used once – have an authorized Hyundai dealer replace the airbag immediately after deployment.**

B990B02TG-AAT

Side Impact Airbags (If Installed)



Your Hyundai is equipped with seat-mounted side impact airbag in each front seat or in the outboard rear seating positions. The purpose of the airbag is to provide the vehicle's occupants 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 impact airbag system and to avoid being injured by the deploying side impact airbag, 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.

WARNING:

- **Do not install any accessories on the side or near the side impact airbag.**
- **Do not place any objects over the airbag or between the airbag and yourself.**
- **Do not place any objects (an umbrella, bag, etc.) between the front door and the front seat. Such objects may become dangerous projectiles and cause injury if the supplemental side impact airbag inflates.**
- **To prevent unexpected deployment of the side impact airbag that may result in personal injury, avoid impact to the side impact sensor when the ignition key is on.**

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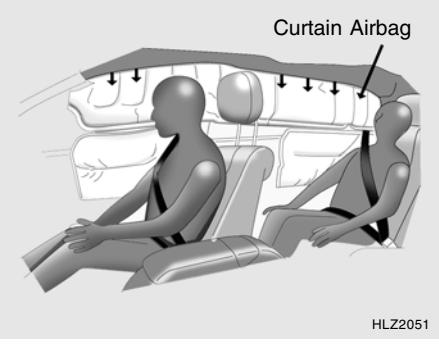
Curtain Airbag



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 the "Child Restraint System" section 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.**

WARNING:

- **The built in coat hooks should only be used for light weight clothing. Ensure that clothing 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, compact disc pocket, 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.**

WARNING:

- **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.**

B240C02NF-AAT

SRS Care

The SRS is virtually maintenance-free and so there are no parts you can safely service by yourself. If the SRS "AIRBAG" warning light does not illuminate, or continuously remains on, have your vehicle immediately inspected by your Hyundai dealer.

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

WARNING:

- **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.**

WARNING:

- **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 inflation 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 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.**

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Additional Safety Precautions

- **Never let passengers ride in the cargo area (trunk) or on top of a folded-down back seat.** All occupants should sit upright, fully back in their seats with their seat belts on and their feet on the floor.
- **Passengers should not move out of or change seats while the vehicle is moving.** A passenger who is not wearing a seat belt during a crash or emergency stop can be thrown against the inside of the vehicle, against other occupants, or out of the vehicle.
- **Each seat belt is designed to restrain one occupant.** If more than one person uses the same seat belt, they could be seriously injured or killed in a collision.
- **Do not use any accessories on seat belts.** Devices claiming to improve occupant comfort or reposition the seat belt can reduce the protection provided by the seat belt and increase the chance of serious injury in a crash.
- **Passengers should not place hard or sharp objects between themselves and the airbags.** Carrying hard or sharp objects on your lap or in your mouth can result in injuries if an airbag inflates.
- **Keep occupants away from the airbag covers.** All occupants should sit upright, fully back in their seats with their seat belts on and their feet on the floor. If occupants are too close to the airbag covers, they could be injured if the airbags inflate.
- **Do not attach or place objects on or near the airbag covers.** Any object attached to or placed on the front or side impact airbag covers could interfere with the proper operation of the airbags.
- **Do not modify the front seats.** Modification of the front seats could interfere with the operation of the supplemental restraint system sensing components or side impact airbags.
- **Do not place items under the front seats.** Placing items under the front seats could interfere with the operation of the supplemental restraint system sensing components and wiring harnesses.
- **Never hold an infant or child on your lap.** The infant or child could be seriously injured or killed in the event of a crash. All infants and children should be properly restrained in appropriate child safety seats or seat belts in the rear seat.

WARNING:

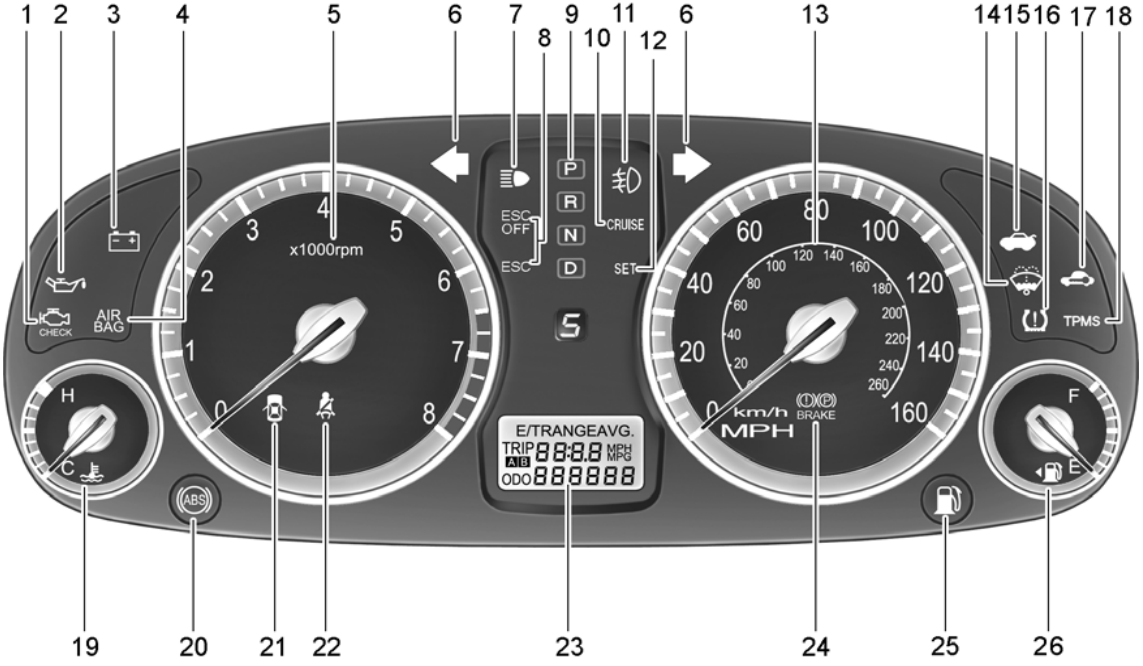
- **Sitting improperly or out of position can cause occupants to be shifted too close to a deploying airbag, strike the interior structure or be thrown from the vehicle resulting in serious injury or death.**
- **Always sit upright with the seatback in an upright position, centered on the seat cushion with your seat belt on, legs comfortably extended and your feet on the floor.**

Adding Equipment to or Modifying Your Airbag-Equipped Vehicle.

If you modify your vehicle by changing your vehicle's frame, bumper system, front end or side sheet metal or ride height, this may affect the operation of your vehicle's airbag system.

B260A02TG-AAT

Conventional Type

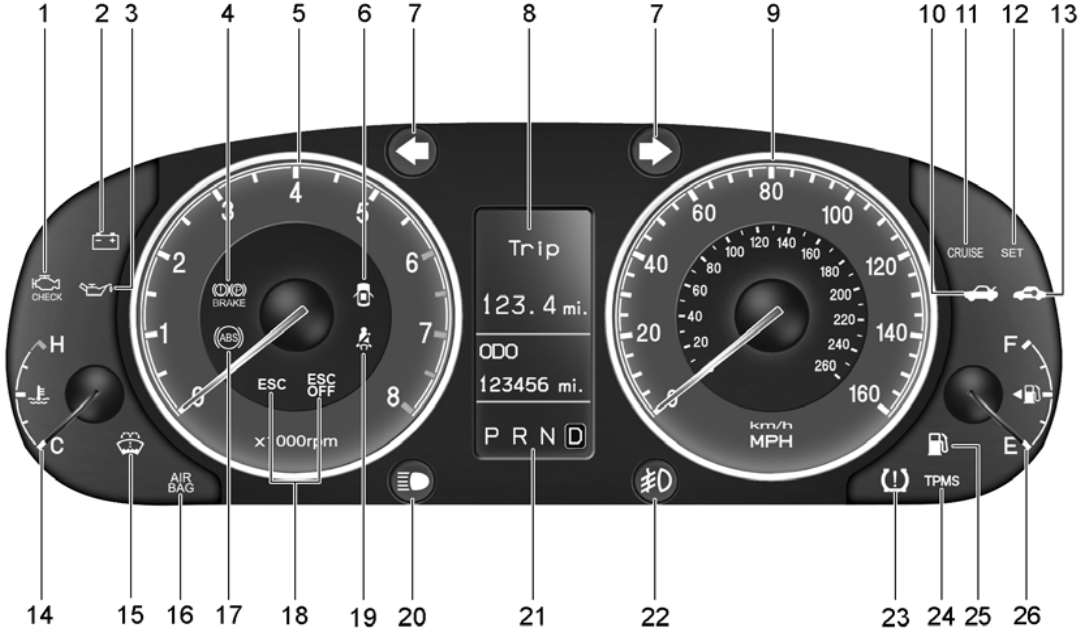


B260A01TG-A

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

B260B03TG-AAT

Super - Vision Type



OTG048812

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

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 oil pressure warning light comes on whenever there is insufficient oil pressure. In normal operation, it should come on when the ignition switch is turned on, then go out when the engine is started. If the oil pressure warning light stays on while the engine is running, there 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 the engine oil to the proper level and start the engine again. If the light stays on with the engine running, turn the engine off immediately. In any instance where the oil light stays on when the engine is running, the engine should be checked by a Hyundai dealer before the car is driven again.

B260G02TG-A

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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-AAT

Parking Brake/Low Brake Fluid Level Warning Light

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

Warning Light Operation

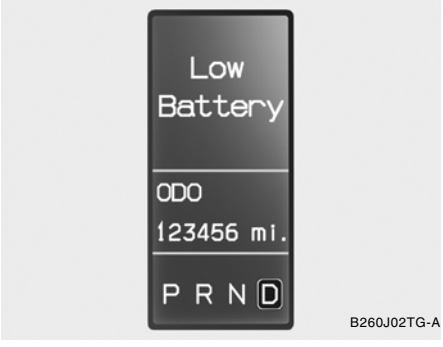
The parking brake/brake fluid level warning light should come on when the parking brake is applied and the ignition switch is turned to "ON" or "START". After the engine is started, the light should go out when the parking brake is released.
If the parking brake is not applied, the warning light should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

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-AAT

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, have the system checked by your Hyundai dealer as soon as possible.



If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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-AAT

Door Ajar Warning Light and Chime

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

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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.

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

B260K01TG-AAT

Trunk Lid Open Warning Light

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

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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

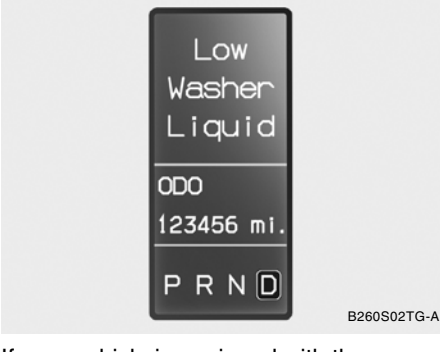
The low fuel level warning light comes on when the fuel tank is approaching empty. When it comes on, you should add fuel as soon as possible. Driving with the fuel level warning light on or with the fuel level below "E" can cause the engine to misfire and damage the catalytic converter.

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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-AAT

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.



If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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.

B265E01TG-AAT

Seat Belt Warning Light and Chime (Driver's Side)

The driver's seat belt warning light and chime will activate to the following table when the ignition switch is in "ON" position.

Conditions		Warning Pattern	
Seat Belt	Vehicle Speed	Light-Blink	Chime-Sound
Unbuckled		6 seconds	
Buckled		6 seconds	None
Buckled → Unbuckled		6 seconds	
Unbuckled	Above 6mph (10 km/h) ↓ Below 3mph (5 km/h)	6 seconds *1) ↓ Stop *2)	

*1) Warning pattern repeats 11 times with interval 24 seconds. If the driver's seat belt is buckled, the light will stop within 6 seconds and chime will stop immediately.

*2) The light will stop within 6 seconds and chime will stop immediately.

Seat Belt Warning Light (Front Passenger's Side)

The front passenger's seat belt warning light will activate to the following table when the ignition switch is in "ON" position.

Conditions		Warning Pattern
Seat Belt	Vehicle Speed	Light-Blink
Unbuckled		6 seconds
Unbuckled	Above 6mph (10 km/h)	Continuously
Buckled		6 seconds
Buckled → Unbuckled	Above 6mph (10 km/h)	Continuously *1)
	Below 6mph (10 km/h)	None

*1) The seat belt warning light will go off if the vehicle speed decreases below 3 mph (5 km/h). And if the vehicle speed increases above 3 mph (5 km/h), the warning light will blink again.

NOTE:

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

B260A01Y-GAT

Front Fog Lamp 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

Check Engine - 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. This light will also illuminate when the ignition key is turned to the "ON" position, and 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.

B260N02TG-A

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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) Warning Light

The SRS warning light comes on for approximately 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 AIRBAG warning light 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.

B260P01TG-GAT

ABS Service Reminder Indicator (SRI) (If Installed)

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

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

B260P02TG-A

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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-AAT

ESC ESC OFF Electronic Stability Control (ESC) Indicator Lights (If Installed)

The electronic stability control indicators change operation according to the ignition switch position and whether the system is in operation.
They will illuminate when the ignition key is turned to the "ON" position, but should go out after three seconds. If the ESC or ESC-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 ESC.

B260Q02NF-GAT

CRUISE Indicator Light

The cruise indicator light in the instrument cluster is illuminated when the cruise control ON/OFF button on the steering wheel is pulled.
The indicator light turns off when the cruise control ON/OFF button is pulled again. Information about the use of cruise control begins on page 1-118.

B260R01TG-GAT

SET Cruise SET Indicator Light

The Cruise SET indicator light in the instrument cluster is illuminated when the cruise control "–/SET" or "RES/+" 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 1-119.

B260W01TG-AAT

Low Tire Pressure Telltale (If Installed)

The low tire pressure telltale comes on for 3 seconds after the ignition key is turned to the "ON" position.
If the warning light does not come on, or continuously remains on after comming on for about 3 seconds when you turned the ignition key to the "ON" position, the Tire Pressure Monitoring System is not working properly. If this occurs, have your vehicle checked by an authorized Hyundai dealer as soon as possible.
This warning light will also illuminate one or more of your tires is significantly under-inflated. You should stop and check your tires as soon as possible. If the warning light illuminates while driving, reduce vehicle speed immediately and stop the vehicle. Avoid hard braking and overcorrecting at the steering wheel. Inflate the tires to the proper pressure as indicated on the vehicle's tire information placard.

WARNING:
Significantly low tire pressure makes the vehicle unstable and can contribute to loss of vehicle control and increased braking distances.
Continued driving on low pressure tires will cause the tires to overheat and fail.

B260W01TG

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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.

B265W01TG-AAT

TPMS (Tire Pressure Monitoring System) Malfunction Indicator (If Installed)

TPMS malfunction indicator comes on for 3 seconds after the ignition key is turned to the "ON" position. If the warning light does not come on, or continuously remains on after comming on for about 3 seconds when you turned the ignition key to the "ON" position, the Tire Pressure Monitoring System is not working porperly. If this occurs, have your vehicle checked by an authorized Hyundai dealer as soon as possible.
The warning light also comes on and stays on when there is a problem with the Tire Pressure Monitoring System.
If this happens, the system may not monitor the tire pressure. Have the system checked by an authorized Hyundai dealer as soon as possible.

WARNING:
- **The TPMS cannot alert you to severe and sudden tire damage caused by external factors.**
- **If you feel any vehicle instability, immediately take your foot off the accelerator, apply the brakes gradually and with light force, and slowly move to a safe position off the road.**

B265W01TG

If your vehicle is equipped with the supervision type cluster, the warning text is displayed above the odometer. 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.

B260U01TB-AAT

Immobilizer Warning Light

This indicator light comes on for a few 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 the "ON" position, this indicates that the immobilizer system is out of order. At this time, refer to the explanation of the "Limp Home" mode and related procedures (See page 1-6) or consult your Hyundai dealer.

B270A01O-AAT

BRAKE PAD WEAR WARNING SOUND

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

B280A02TG-AAT

FUEL GAUGE

Conventional Type

Super - Vision Type

B280A02TG

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

NOTE:

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

CAUTION:

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

B290A03A-AAT

ENGINE COOLANT TEMPERATURE GAUGE

Conventional Type

Super - Vision Type

B290A02TG

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 adding coolant to the reservoir.

The normal range is approximately in the middle between "H" and "C". If it moves across the dial to "H" (HOT), pull over and stop as soon as possible and turn off the engine. Then open the hood and, after the engine has cooled, check the coolant level (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.

B330A03A-AAT

TACHOMETER

Conventional Type

OTG048839

Super - Vision Type

OTG048813

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 coverage.

B300A02A-AAT

SPEEDOMETER

Conventional Type

B300A01TG-A

Super - Vision Type

OTG048814

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

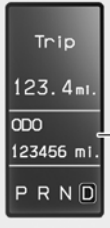
B310A01TG-AAT

ODOMETER

Conventional Type

Odometer

Super - Vision Type



Odometer

B310A02TG-A

The odometer records the total distance traveled in miles. You will also find the odometer useful to determine when periodic maintenance should be performed.

NOTE:
Federal law forbids alteration of the odometer of any vehicle with the intent to change the mileage registered on the odometer. The alteration may void your warranty coverage.

TRIP COMPUTER

B400B02TG-AAT

Conventional Type

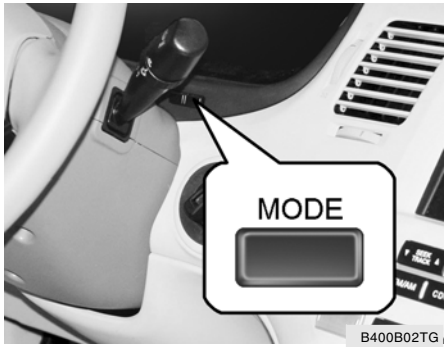
Super - Vision Type

B400B11TG-A

The 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.

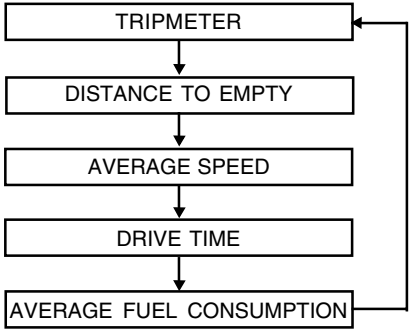
NOTE:
If your vehicle is equipped with the conventional type cluster, the unit is displayed only in the average speed and the average fuel consumption.

MODE SWITCH

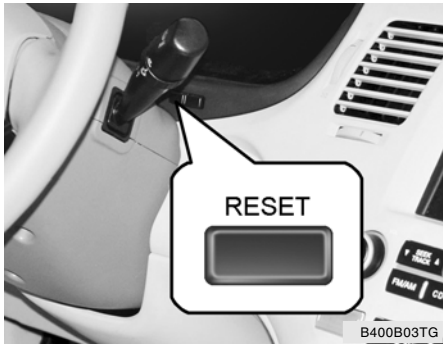


B400B02TG

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



RESET SWITCH



B400B03TG

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

1. Tripmeter

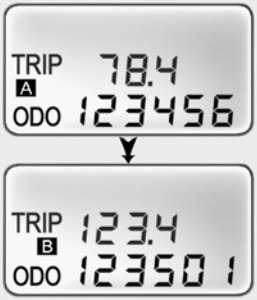
Conventional Type

Super - Vision Type

B400B12TG-A

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

Conventional Type



B400B05TG

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

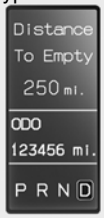
TRIP A: Distance you have traveled from your origination point to a first destination.

TRIP B: Distance from the first destination to the final destination.

2. Distance to Empty

Conventional Type

Super - Vision Type



B400B13TG-A

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

Conventional Type

Super - Vision Type

B400B14TG-A

o When the distance to empty is less than 30 miles (50 km), 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 is only an estimate and can vary according to the driving conditions, driving pattern or vehicle speed.**

3. Average Speed

Conventional Type

Super - Vision Type

B400B15TG-A

- 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.
- If the ignition switch is turned to OFF for more than 2 hours, it will be reset automatically.
- When you drive 0.03 mile (50 m) and less after resetting, the average speed will be displayed as '---'.

4. Drive Time

Conventional Type

Super - Vision Type

B400B16TG-A

- 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'.
- If the ignition switch is turned to OFF for more than 2 hours, it will be reset automatically.
- The drive time will cycle to '0:00' after reaching '99:59'.

5. Average Fuel Consumption

Conventional Type

Super - Vision Type

B400B17TG-A

- 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.
- If the fuel is refilled more than 1.36 gallons (6 liters), it will be reset automatically.
- When you drive 0.03 mile (50 m) and less after resetting, the average fuel consumption will be displayed as '--'.

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.

B340C05A-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 Off

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

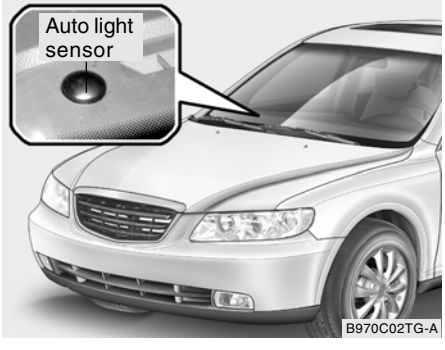
B340G01LZ-AAT

Auto Light

B340G02TG

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 automatically on or off according to external illumination conditions.

NOTE:
Turn the lights manually in foggy, cloudy and rainy conditions.



B970C02TG-A

NOTE:
- **o Never place anything over the sensor located on the instrument panel to ensure better auto light system control.**
- **o Don't clean the sensor using a window cleaner.**
- **o If your vehicle has window tint or other types of coating on the 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.

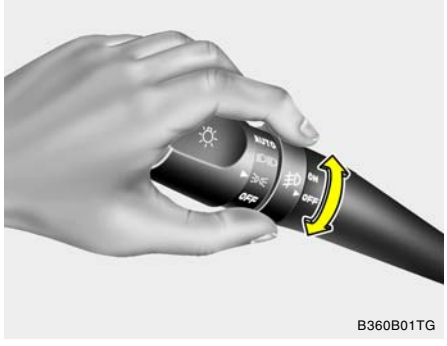
B340E01A-AAT

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.

FRONT FOG LIGHT SWITCH

B360B01TG-AAT



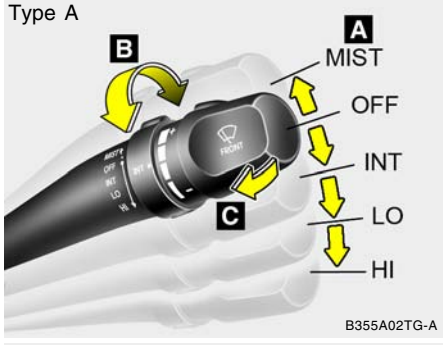
To turn on the front fog lights, place the switch in the "ON" position. They will light when the headlight switch is in the second position.

NOTE:
If you turn on the headlight high beams, the fog lights will be turned off.

WINDSHIELD WIPER AND WASHER SWITCH

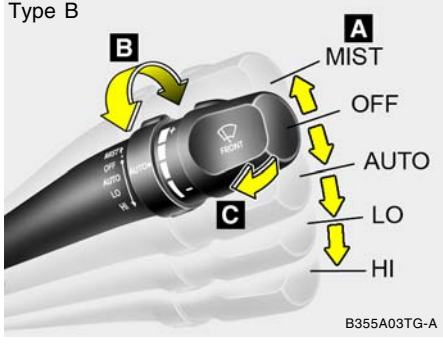
Windshield Wiper/Washer

Type A



B355A02TG-A

Type B



B355A03TG-A

A : Wiper speed control
- MIST – Single wipe
- OFF – Off
- INT/AUTO – Intermittent wipe or auto control wipe
- LO – Low wiper speed
- HI – High wiper speed

B : Intermittent or Auto control wipe time adjustment

C : Wash with brief wipes

B350A01TG-AAT

Windshield Wiper

B350A06TG-A

The windshield wiper switch has three positions:

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

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

B350B02TG-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.
If the ignition switch is turned "ON" when the wiper switch is set in "AUTO" mode, or wiper switch is set in "AUTO" mode when the ignition switch is "ON", or the speed control knob is turned toward the "+" position when the wiper switch is in "AUTO" mode, wiper will operate once to perform a self-check of the system. Set the wiper to "OFF" position when the wiper is not in use.

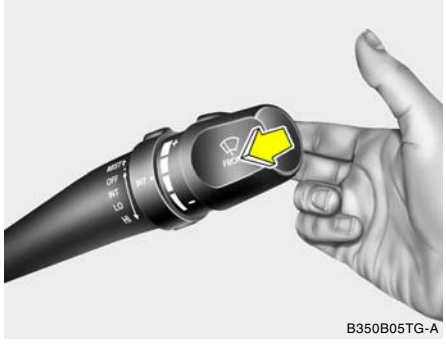
NOTE:
If there is heavy accumulation of snow or ice on the windshield glass, there will be a 10 minute waiting period prior to the operation of the windshield wipers.

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



B350B05TG-A

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.**

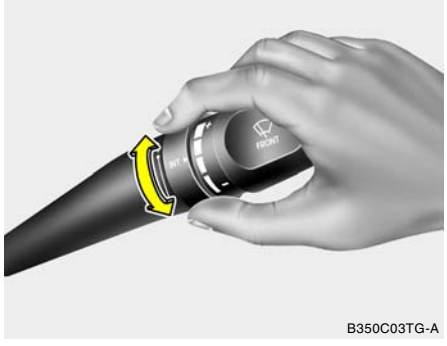
Mist Wiper Operation

B350B06TG-A

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

B350C01O-AAT

Adjustable Intermittent Wiper Operation



B350C03TG-A

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.

HAZARD WARNING SYSTEM

B370A01A-AAT

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

FRONT/REAR WINDOW DEFROSTER SWITCH

B380A02HP-AAT

(If Installed)

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 engine must be running 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.

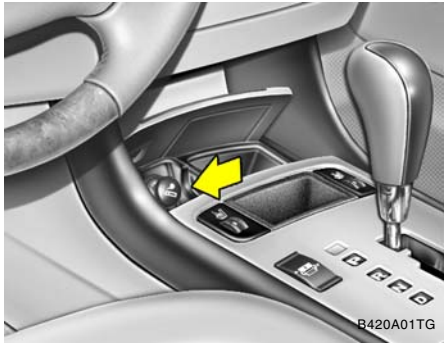
INSTRUMENT PANEL LIGHT CONTROL (RHEOSTAT)

B410A01A-AAT

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

CIGARETTE LIGHTER

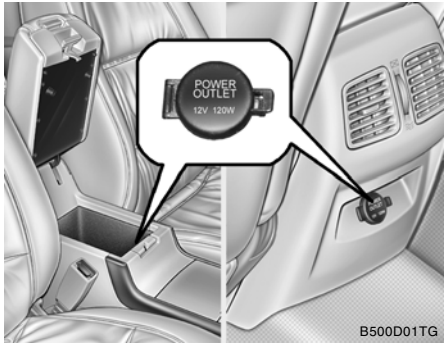
B420A03A-AAT



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 OUTLETS

B500D01TG-AAT



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

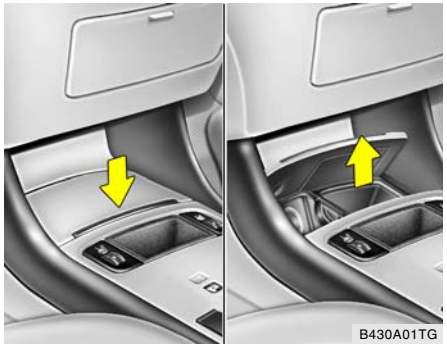
CAUTION:

- **Use the power outlets only when the engine is running. Remove the plug from the power outlet after using the electric device. Using the power outlets when the engine stops or keeping the electric device plugged in for many hours may cause the battery to discharge.**
- **Do not use the power outlet to connect electric accessories or equipment that are not 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 in your vehicle.**

ASHTRAY

B430A01TG-GAT

Front Ashtray

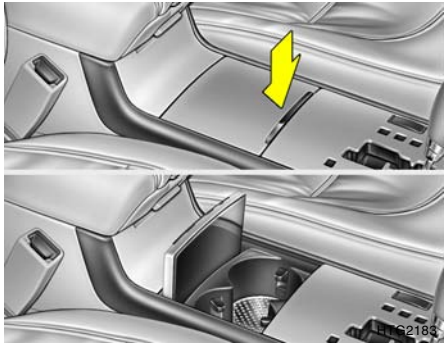


The front ashtray may be opened by pushing and releasing the ashtray lid. To clean ashtray, the plastic receptacle should be removed, by lifting the plastic ash receptacle upward and pulling it out.

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.

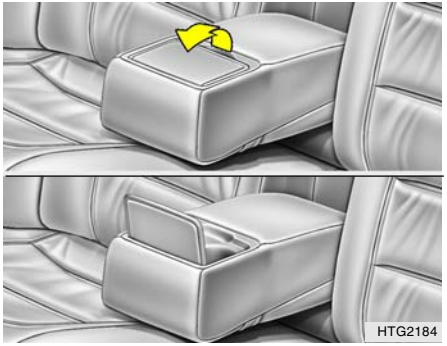
CAUTION:
Place the drink holder in its closed position when not in use.

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-AAT

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 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. 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-AAT

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

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.

B460B02TG-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 CLOSE 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 CLOSE button on the overhead console for less than 0.5 second.

B460C02TG-AAT

Tilting the Sunroof System

Auto tilt open

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 CLOSE button on the overhead console and hold it until the sunroof is closed.

NOTE:

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

WARNING:

- **Do not close a sunroof if anyone's hands, arms or body are between the sliding glass and the sunroof sash, as this could result in injury.**
- **Do not place your head or arms out of the sunroof opening at any time.**
- **While the vehicle is moving, always keep the head, hands and other parts of the body of all occupants away from the roof opening. Otherwise, you could be seriously injured if the vehicle stops suddenly or if the vehicle is involved in an accident.**

CAUTION:

- **Do not open the sunroof in severely cold temperatures 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.**

B460E03TG-AAT

Resetting the sunroof

Whenever the vehicle battery is disconnected or discharged, or related fuse is blown, you must reset your sunroof system as follows:

1. Turn the ignition switch to the ON position and close the sunroof completely.
2. Release the control button.
3. Press and hold the CLOSE button until the sunroof tilts and slightly moves up and down. Then, release the button.
4. Press and hold the CLOSE button until the sunroof is operated as follows;

   TILT DOWN → SLIDE OPEN → SLIDE CLOSE

   Then, release the control button.

When this is complete, the sunroof system is reset.

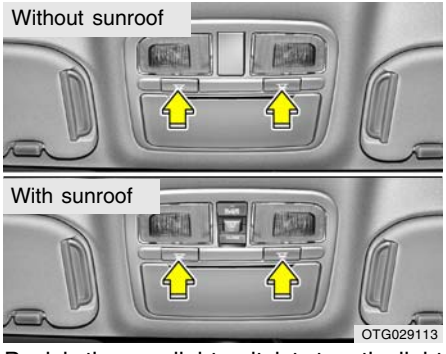
CAUTION:

If the sunroof is not reset when the vehicle battery is disconnected or discharged, or related fuse is blown, the sunroof may operate improperly.

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.

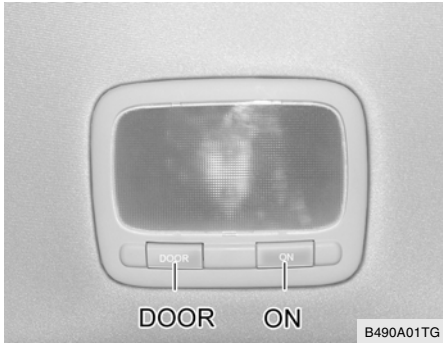
B485A01TG-GAT

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.

B490A01TG-AAT

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 after 30 seconds if the door is closed. However if the ignition switch is ON or all doors are locked, the interior light will turn off even within 30 seconds.

o **ON**

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

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

SUNGLASS HOLDER

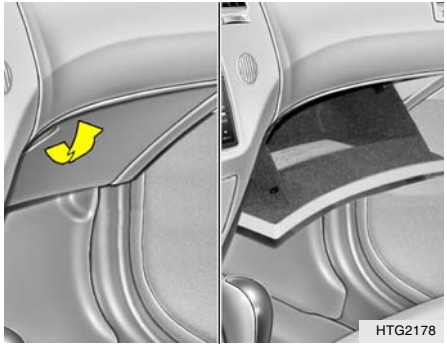
B491A03O-AAT

The sunglass holder is located on the front overhead console. Push the end of the cover to open the sunglass holder.

WARNING:
- **Do not keep objects except sunglass inside the sunglass holder. Such objects can be thrown from the holder in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.**
- **Do not open the sunglass holder while the vehicle is moving. The rear view mirror of the vehicle can be blocked by an open sunglass holder.**

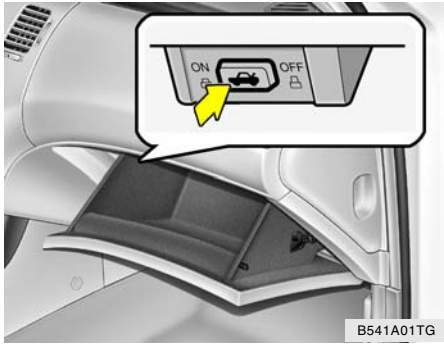
B500A01TG-AAT

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 located in the trunk lid section.

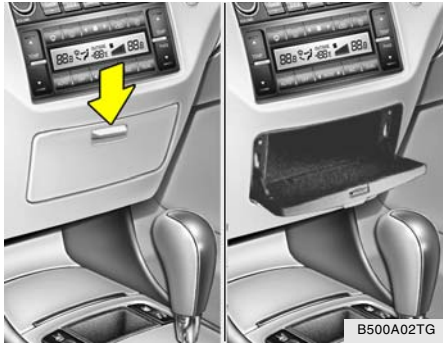
B500B01NF-GAT

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-AAT

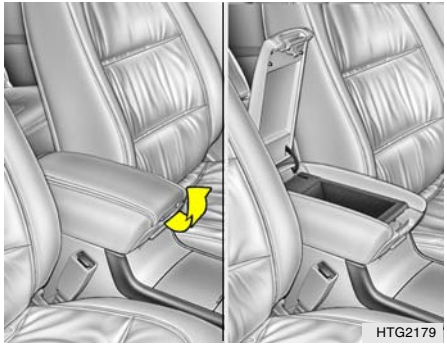
ACCESSORY BOX

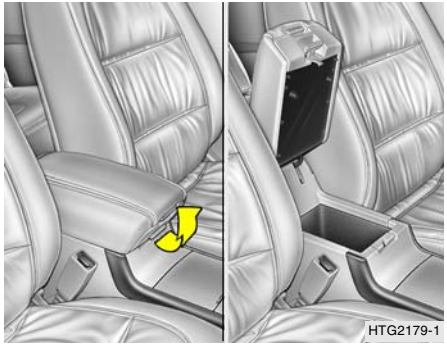


The accessory box may be opened by pushing the knob downward.
It is used for storing small articles.

B505A01NF-GAT

CENTER CONSOLE BOX





The center console box is used for storing cassette tapes or small articles.
To use the center console box, pull up the handle and lift the lid as shown.

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

OTG048828L

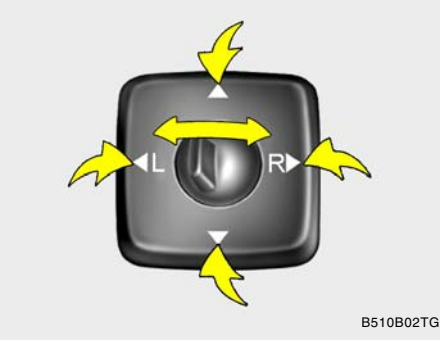
The outside rearview mirrors can be adjusted to your preferred rear vision, both directly behind the vehicle, and to the rear of the left and right sides.
The remote control outside rearview mirror switch controls the adjustments for both right and left outside mirrors.

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.



B510B02TG

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, and any objects seen in this mirror are closer than they appear.

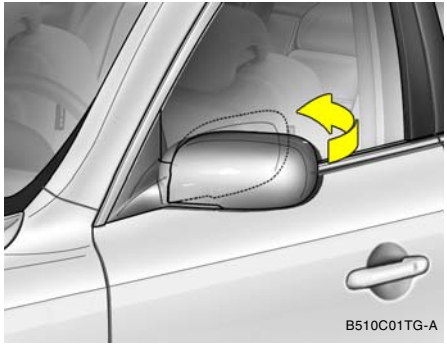
B510D02HP-AAT

OUTSIDE REARVIEW MIRROR HEATER (If Installed)

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 REARVIEW MIRRORS (Manual Type)



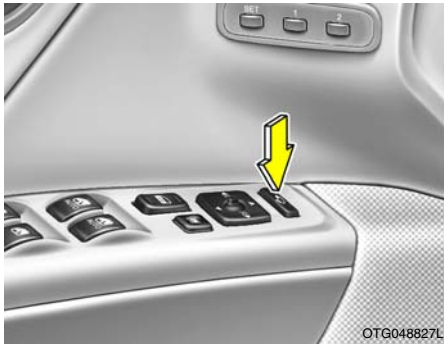
To fold the outside rearview mirrors, push them towards the rear.
The outside rearview mirrors can be folded rearward for parking in narrow areas.

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 REARVIEW MIRRORS (Electric Type) (If Installed)



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 electric outside rearview mirrors manually. If the mirrors are not completely folded out, the mirrors may vibrate.**

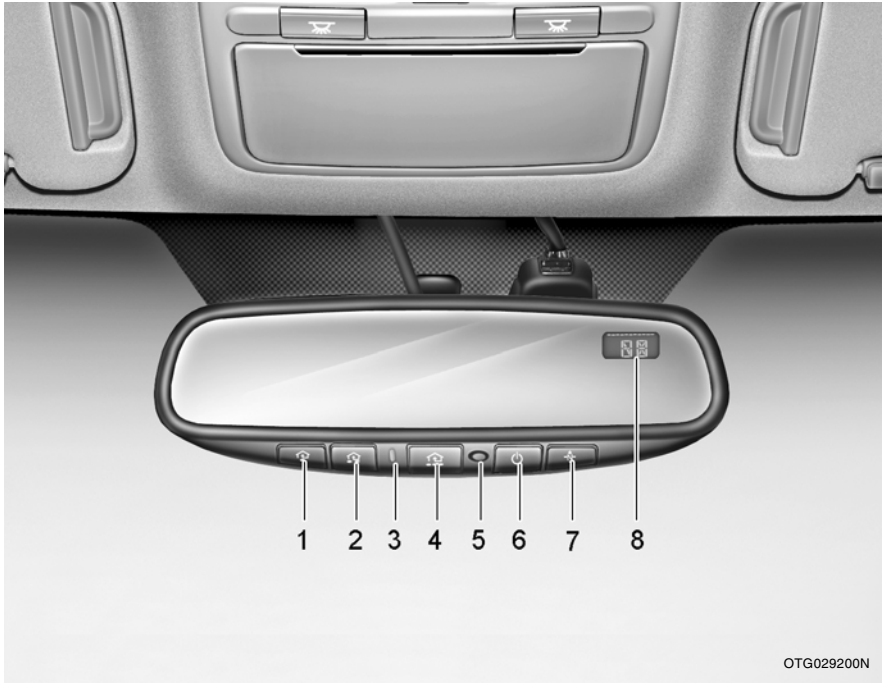
WARNING:
Do not adjust or fold the outside rearview mirrors while the vehicle is moving. This could result in loss of control, and an accident which could cause death, serious injury or property damage.

HOMELINK MIRROR

B520C01NF-AAT

Automatic-Dimming Mirror with Z-Nav™ Electronic Compass Display and HomeLink®

Your vehicle comes with a Gentex Automatic-Dimming Mirror with a Z-Nav™ Electronic Compass Display and an Integrated HomeLink® Wireless Control System. During nighttime driving, this feature will automatically detect and reduce rearview mirror glare while the compass indicates the direction the vehicle is pointed. The HomeLink® Universal Transceiver allows you to activate your garage door(s), electric gate, home lighting, etc.



1. Channel 1 Button
2. Channel 2 Button
3. Status Indicator LED
4. Channel 3 Button
5. Rear Light Sensor
6. Dimming On/Off Button
7. Compass Control Button
8. Display

Automatic-Dimming Night Vision Safety™ (NVS®) Mirror

The NVS® Mirror in your vehicle is the most advanced way to reduce annoying glare in the rearview mirror during any driving situation. For more information regarding NVS® mirrors and other applications, please refer to the Gentex website: www.gentex.com.

CAUTION:

The NVS® Mirror automatically reduces glare during driving conditions based upon light levels monitored in front of the vehicle and from the rear of the vehicle. These light sensors are visible through openings in the front and rear of the mirror case. Any object that would obstruct either light sensor will degrade the automatic dimming control feature.

Automatic-Dimming Function

Your mirror will automatically dim upon detecting glare from the vehicles traveling behind you. The auto-dimming function can be controlled by the Dimming ON/OFF Button:

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.

Z-Nav™ Compass Display

The NVS™ Mirror in your vehicle is also equipped with a Z-Nav™ Compass that shows the vehicle Compass heading in the Display Window using the 8 basic cardinal headings (N, NE, E, SE, etc.).

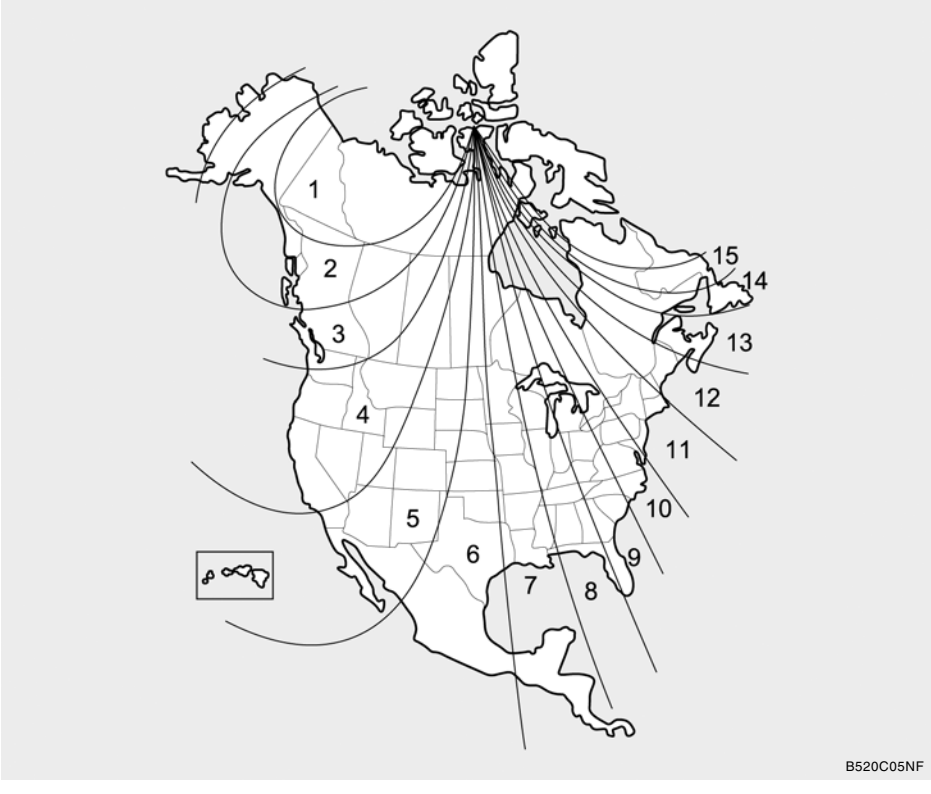
Compass Function

The Compass can be turned ON and OFF and will remember the last state when the ignition is cycled. To turn the display feature ON/OFF:

1. Press and release the -N- button to turn the display feature OFF.
2. Press and release the -N- button again to turn the display back ON.

Additional options can be set with press and hold sequences of the -N- button and are detailed below.

There is a difference between magnetic north and true north. The compass in the mirror can compensate for this difference when it knows the Magnetic Zone in which it is operating. This is set either by the dealer or by the user. The operating Zone Numbers for North America are shown in the figure on the following section.



To adjust the Zone setting:

1. Determine the desired Zone Number based upon your current location on the Zone Map.
2. Press and hold the -N- button for more than 3 but less than 6 seconds, the current Zone Number will appear on the display.
3. Pressing and holding the -N- button again will cause the numbers to increment (Note: they will repeat …13, 14, 15, 1, 2, …). Releasing the button when the desired Zone Number appears on the display will set the new Zone.
4. Within about 5 seconds the compass will start displaying a compass heading again.

There are some conditions that can cause changes to the vehicle magnets. Items such as installing a ski rack or a CB antenna or even some body repair work on the vehicle can cause changes to the vehicle's magnetic field. In these situations, the compass will need to be re-calibrated to quickly correct for these changes. To re-calibrate the compass:

1. Press and hold the button for more than 6 seconds. When the compass memory is cleared a "C" will appear in the display.
2. To calibrate the compass, drive the vehicle in 2 complete circles at less than 5 MPH (8 Km/h).

Integrated HomeLink® Wireless Control System

The HomeLink® Wireless Control System provides a convenient way to replace up to three hand-held radio-frequency (RF) transmitters with a single built-in device. This innovative feature will learn the radio frequency codes of most current transmitters to operate devices such as gate operators, garage door openers, entry door locks, security systems, even home lighting. Both standard and rolling code-equipped transmitters can be programmed by following the outlined procedures. Additional HomeLink® information can be found at: www.homelink.com or by calling 1-800-355-3515.

CAUTION:

Before programming HomeLink® to a garage door opener or gate operator, make sure that people and objects are out of the way of the device to prevent potential harm or damage. Do not use HomeLink® with any garage door opener that lacks the safety stop and reverse features as required by U.S. federal safety standards (this includes any garage door opener model manufactured before April 1, 1982). A garage door that cannot detect an object - signaling the door to stop and reverse - does not meet current U.S. federal safety standards. Using a garage door opener without these features increases the risk of serious injury or death.

Retain the original transmitter of the RF device you are programming for use in other vehicles as well as for future HomeLink® programming. It is also suggested that upon the sale of the vehicle, the programmed HomeLink® buttons be erased for security purposes.

Programming HomeLink®

NOTE:

- **When programming a garage door opener, it is advised to park the vehicle outside of the garage.**
- **It is recommended that a new battery be placed in the hand-held transmitter of the device being programmed to HomeLink® for quicker training and accurate transmission of the radio-frequency signal.**
- **Some vehicles may require the ignition switch to be turned to the second (or "accessories") position for programming and/or operation of HomeLink.**
- **In the event that there are still programming difficulties or questions after following the programming steps listed below, contact HomeLink® at: www.homelink.com or 1-800-355-3515.**

Standard Programming

To train most devices, follow these instructions:

1. For first-time programming, press and hold the two outside buttons, HomeLink® Channel 1 and Channel 3 Buttons, until the indicator light begins to flash (after 20 seconds). Release both buttons. Do not hold the buttons for longer than 30 seconds.
2. Position the end of your hand-held transmitter 1-3 inches (5-14 cm) away from the HomeLink® buttons while keeping the indicator light in view.
3. Simultaneously press and hold both the HomeLink® and hand-held transmitter button. DO NOT release the buttons until step 4 has been completed.
4. While continuing to hold the buttons the red Indicator Status LED will flash slowly and then rapidly after HomeLink® successfully trains to the frequency signal from the hand-held transmitter. Release both buttons.
5. Press and hold the just-trained HomeLink® button and observe the red Status Indicator LED. If the indicator light stays on constantly, programming is complete and your device should activate when the HomeLink® button is pressed and released.
6. To program the remaining two HomeLink® buttons, follow steps 2 through 5.

Rolling Code Programming

Rolling code devices which are "code-protected" and manufactured after 1996 may be determined by the following:

- o Reference the device owner's manual for verification.
- o The handheld transmitter appears to program the HomeLink Universal Transceiver but does not activate the device.
- o Press and hold the trained HomeLink button. The device has the rolling code feature if the indicator light flashes rapidly and then turns solid after 2 seconds.

To train rolling code devices, follow these instructions:

1. At the garage door opener receiver (motor-head unit) in the garage, locate the "learn" or "smart" button. This can usually be found where the hanging antenna wire is attached to the motor-head unit. Exact location and color of the button may vary by garage door opener brand. If there is difficulty locating the training button, reference the device owner's manual or please visit our Web site at www.homelink.com.
2. Firmly press and release the "learn" or "smart" button (which activates the "training light").

NOTE:
There are 30 seconds in which to initiate step3.

3. Return to the vehicle and firmly press, hold for two seconds and then release the desired HomeLink® button. Repeat the "press/hold/release" sequence a second time to complete the programming. (Some devices may require you to repeat this sequence a third time to complete the programming.)

4. Press and hold the just-trained HomeLink® button and observe the red Status Indicator LED. If the indicator light stays on constantly, programming is complete and your device should activate.
5. To program the remaining two HomeLink® buttons, follow either steps 1 through 4 above for other Rolling Code devices or steps 2 through 5 in Standard Programming for standard devices.

During programming, your handheld transmitter may automatically stop transmitting. Continue to press the Integrated HomeLink® Wireless Control System button (note steps 2 through 4 in the Standard Programming portion of this document) while you press and re-press ("cycle") your handheld transmitter every two seconds until the frequency signal has been learned. The indicator light will flash slowly and then rapidly after several seconds upon successful training.

Operating HomeLink®

To operate, simply press and release the programmed HomeLink® button. Activation will now occur for the trained device (i.e. garage door opener, gate operator, security system, entry door lock, home/office lighting, etc.). For convenience, the hand-held transmitter of the device may also be used at any time.

Reprogramming a Single HomeLink® Button

To program a new device to a previously trained HomeLink® button, follow these steps:
1. Press and hold the desired HomeLink® button. Do NOT release until step 4 has been completed.
2. When the indicator light begins to flash slowly (after 20 seconds), position the handheld transmitter 1 to 3 inches away from the HomeLink® surface.
3. Press and hold the handheld transmitter button. The HomeLink® indicator light will flash, first slowly and then rapidly.
4. When the indicator light begins to flash rapidly, release both buttons.
5. Press and hold the just-trained HomeLink® button and observe the red Status Indicator LED. If the indicator light stays on constantly, programming is complete and your new device should activate.

Erasing HomeLink® Buttons

Individual buttons cannot be erased. However, to erase all three programmed buttons:
1. Press and hold the two outer HomeLink® buttons until the indicator light begins to flash-after 20 seconds.
2. Release both buttons. Do not hold for longer than 30 seconds.

The Integrated HomeLink® Wireless Control System is now in the training (learn) mode and can be programmed at any time following the appropriate steps in the Programming sections above.

FCC ID: NZLZTVHL3
IC: 4112A-ZTVHL3

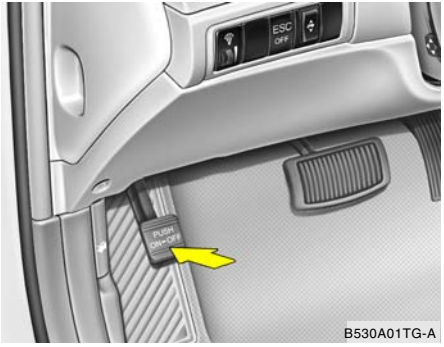
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING:
The transceiver has been tested and complies with FCC and Industry Canada rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

NVS® is a registered trademark and Z-Nav™ is a trademark of the Gentex Corporation, Zeeland, Michigan. HomeLink® is a registered trademark owned by Johnson Controls, Incorporated, Milwaukee, Wisconsin.

PARKING BRAKE

B530A04TG-AAT



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

Applying the parking brake

To engage the parking brake, first apply the foot brake and then depress the parking brake pedal down as far as possible. In addition it is recommended that when parking the vehicle on a gradient, the shift lever should be positioned in the P (Park) position.

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

Releasing the parking brake

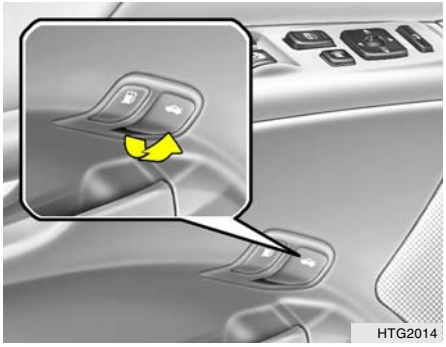
To release the parking brake, depress the parking brake pedal a second time.
If the parking brake pedal does not release or dose not release all the way, have the system checked by an authorized Hyundai dealer.

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

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

B540A01S-GAT

Remote Trunk Lid Release



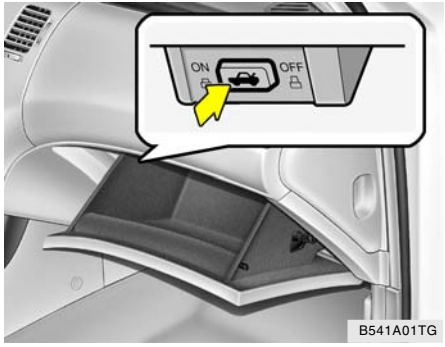
To open the trunk lid without using the key, pull up the lid release lever.

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 always be kept completely closed while the vehicle is in motion. If it is left open or ajar, poisonous exhaust gases may enter the car 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.

B540B01TG-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. Push the emergency trunk release handle to open the trunk from the inside.

WARNING:
- **If a person becomes locked in the trunk, push the emergency trunk release handle on the inside panel of the trunk to open the trunk lid.**
- **Keep cars locked and keys out of the reach of children. HYUNDAI recommends parents 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.**

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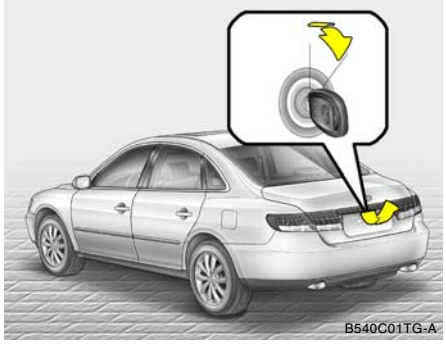
To unlock using the key



To open the trunk lid, insert the key and turn it clockwise to unlock, then press the outside handle. The trunk compartment light illuminates when the trunk lid is opened.

LUGGAGE NET

B540D02O-AAT

(If Installed)

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

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

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

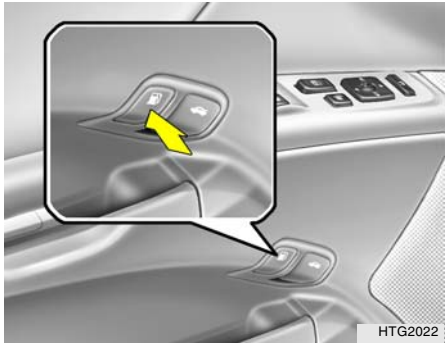
HIGH-MOUNTED REAR STOP LIGHT

B550A02Y-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

B560A03NF-AAT



The fuel-filler lid may be opened from inside the vehicle by pushing the fuel-filler lid opener switch located on the driver's 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:

- **Gasoline vapors are dangerous. Before refueling, always stop the engine and never smoke or allow sparks and open flames near the filler area.**
- **Never operate your vehicle without a filler cap properly installed, flammable vapors and gasoline could leak out in dangerous situations such as a collision or rollover. If the filler cap must be replaced, only use genuine Hyundai replacement parts.**

WARNING:

- After refueling, make sure the fuel cap is installed securely to prevent fuel spillage in the event of an accident.
- Tighten the cap until it clicks, otherwise the "CHECK" light will illuminate.
- 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.
- Do not "top off" after the nozzle automatically shuts off when refueling.
- 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.

WARNING:

- 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.

WARNING:

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.

WARNING:

- **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.**

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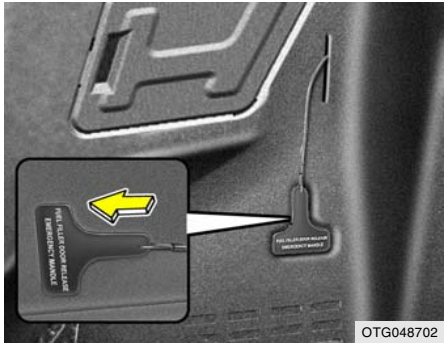
Manual Fuel Filler Lid Release



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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.

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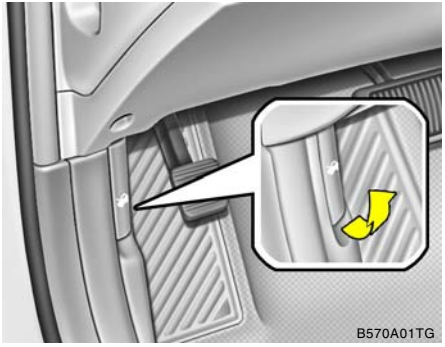
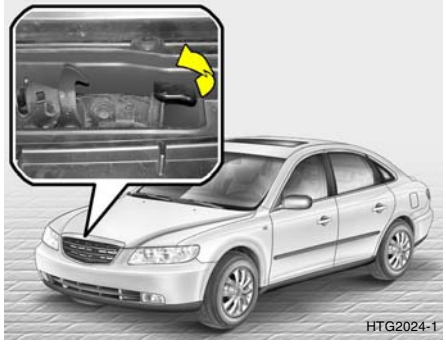
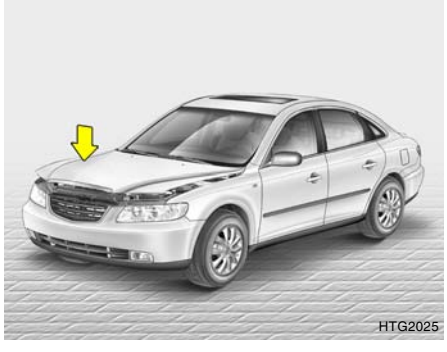

B570A01TG

1. Pull the release knob to unlatch the hood.



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



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.**

SUN VISOR

B580A01NF-AAT

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

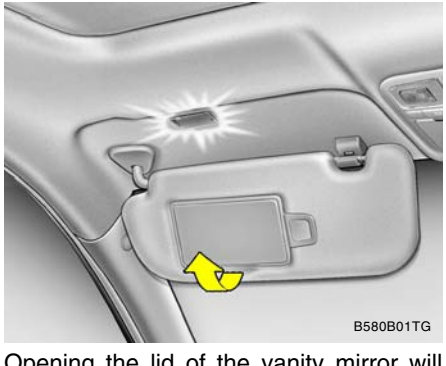
NOTE:
The Supplemental Restraint System (SRS) label containing useful information can be found on the reverse of each sun visor.

WARNING:

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

B500B01B-GAT

Illuminated Vanity Mirror



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

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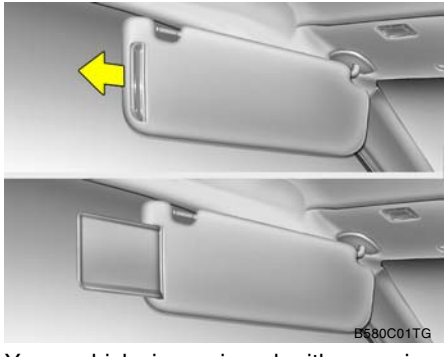
Sun Visor Extender



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

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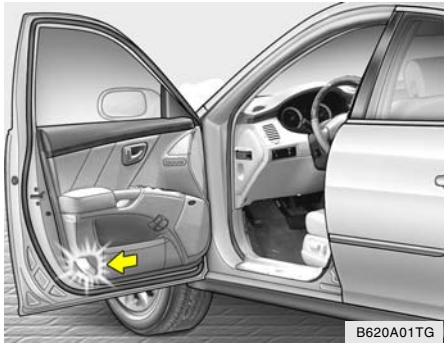
The ticket holder is provided on the top side of the sun visor for holding a toll gate ticket.

DOOR 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

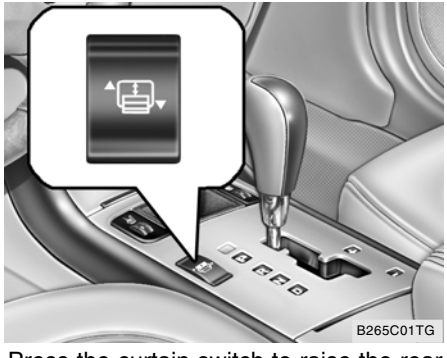
B611A01Y-AAT

This armrest is located in the center of the rear seatback.

REAR WINDOW CURTAIN

B265C01TG-AAT

(If Installed)



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

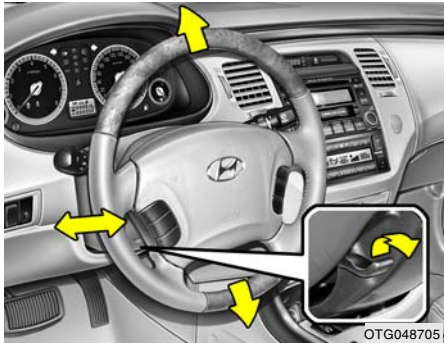
NOTE:

- **When the transaxle gear is shifted into reverse "R", the rear window curtain will automatically lower. When the transaxle gear is shifted from "R" to "P" again or if the vehicle speed exceeds 12 mph, the rear window curtain will automatically raise.**
- **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.

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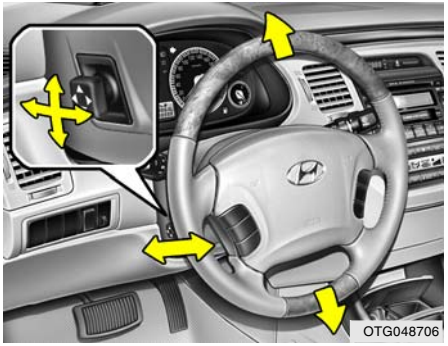
Electric type (If Installed)



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.

B660A03S-AAT

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

WARNING:
- **Cruise control is not recommended for city driving, winding roads, slippery roads, heavy rain, or other bad weather conditions.**
- **Pay particular attention during the down-hill driving with cruise control system as the vehicle speed can be increased gradually.**

B660B01TG-AAT

To Set the Cruise Speed

1. Pull 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).

OTG048801

3. Push the "–/SET" switch after you have set the vehicle speed at the desired speed.
   If the "–/SET" 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 9 mph (15 km/h) below the set speed or decreases below 25 mph (40 km/h), the cruise control system will automatically cancel the set speed.

B660C01TG-AAT
To Cancel the Cruise Speed

OTG048802

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 9 mph (15 km/h).
- o Decrease the vehicle speed to less than 25 mph (40 km/h).
- o Release the cruise control ON/OFF switch.

B660D01TG-AAT
To Resume the Preset Speed

OTG048803

The vehicle will automatically resume the speed set prior to cancellation when you push the control switch "RES/+" and release it to return (when travelling above 25 mph).
If the control switch "RES/+" is selected, the cruise "SET" indicator in the instrument cluster will illuminate.

B660E01TG-GAT

To Reset at a Faster Speed

1. Push the control switch "RES/+" and hold it.
   If the control switch "RES/+" 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.

B660F02TG-AAT

To Reset at a Slower Speed

1. Push the control switch "–/SET" and hold it. While the control switch is pushed, the vehicle speed will gradually decrease.
   If the "–/SET" 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 to avoid inadvertently setting a speed.**
- **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

B610A03TG-AAT

(If Installed)

NOTE:
Do not operate audio remote control switches simultaneously.

(1) MODE Switch

Each press of the switch changes the display as follows:

RADIO (FM1 → FM2 → AM) → CD* → CDC*

↑ _____ USB* or iPod*, AUX* ↵

* : If Installed

NOTE:
- **If there is no CD or the auxiliary device is not connected, the mode cannot be converted to the CD, AUX, USB or iPod mode.**
- **Each mode may not available for some audio models.**

(2) SEEK/PRESET (∧ / ∨) Switch

- If the button is pressed for 0.8 second or more, it will work as follows in each mode.

RADIO mode
It will function as the AUTO SEEK select button.

CDP, AUX (USB), iPod mode
It will function as the FF/REW button.

CDC mode
It will function as the DISC UP/DOWN button.

- If the button is pressed for less than 0.8 second, it will work as follows in each mode.

RADIO mode
It will function as the PRESET STATION select buttons.

CDP, AUX (USB), iPod mode
It will function as the TRACK UP/DOWN button.

CDC mode
It will function as the TRACK UP/DOWN button.

(3) VOL (∧ / ∨) Switch

- Press the VOL (∧) switch to increase volume.
- Press the VOL (∨) switch to decease volume.

(4) MUTE Switch

- Press the MUTE switch to silence the sound.
- Once again press the MUTE switch to restore the sound.

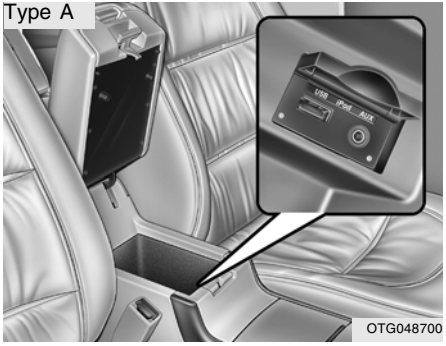
Detailed information for audio control buttons is described in the audio system of this section.

AUX, USB AND i-Pod®

D281400BFD

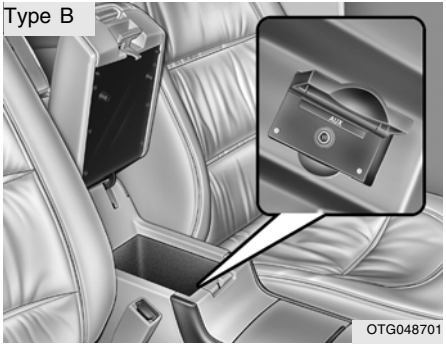
(If Installed)

Type A



OTG048700

Type B



OTG048701

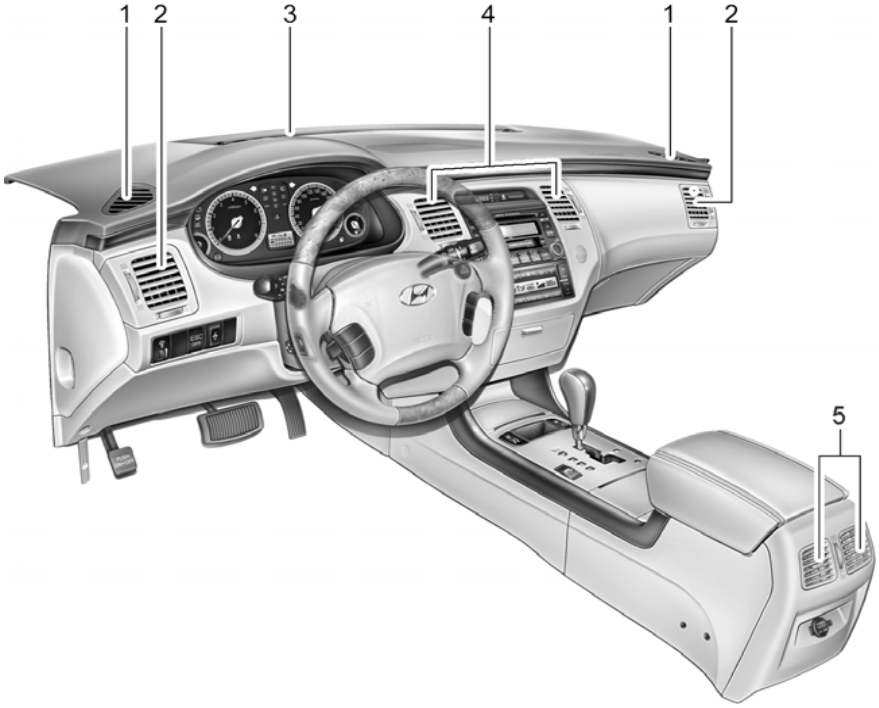
If your vehicle has an aux and/or USB(universal serial bus) port or i-Pod port, you can use an aux port to connect audio devices and an USB port to plug in an USB and also an i-Pod port to plug in an i-Pod.
When using an iPod through the vehicle's Audio System, a Hyundai adapter cable is required in order to receive all functions, which can be purchased at your local Hyundai dealership.

* i-Pod® is a trademark of Apple Inc.

NOTE:
When using a portable audio device connected to the power outlet, noise may occur during playback. If this happens, use the power source of the portable audio device.

HEATING AND COOLING CONTROL

B710A01TG-GAT

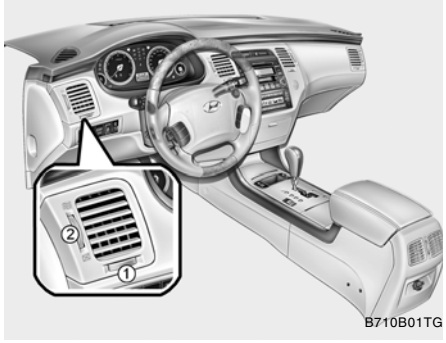


B710A01TG-A

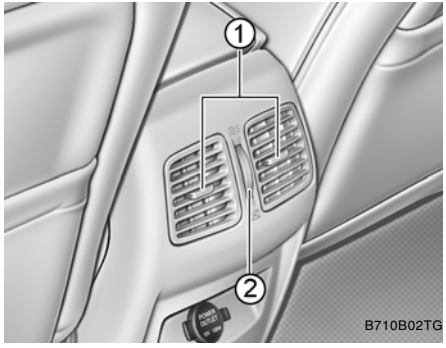
1. Side Defroster Nozzle
2. Side Ventilator
3. Windshield Defroster Nozzle
4. Center Ventilator
5. Rear Ventilator

B710B01TG-AAT

Ventilator



B710B01TG



B710B02TG

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.

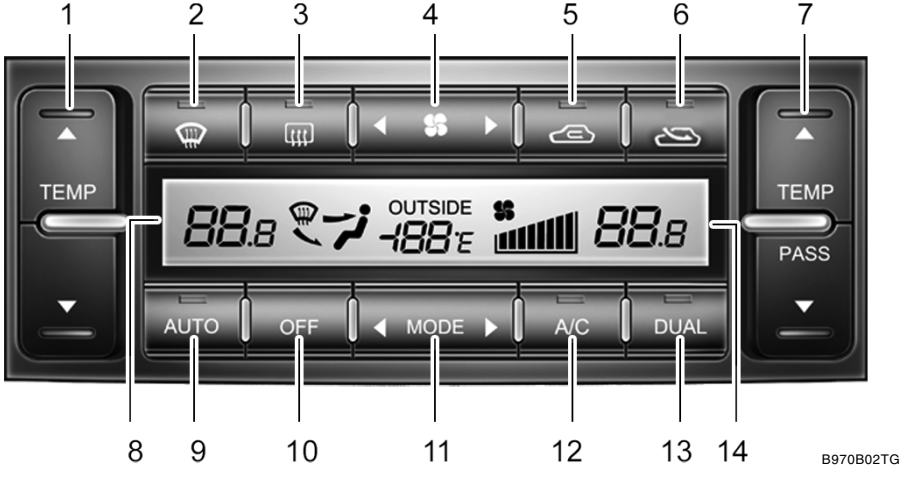
AUTOMATIC HEATING AND COOLING CONTROL SYSTEM

B970A01Y-AAT

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

B970B02TG-GAT

Heating and Cooling Controls



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 (Recirculation mode)
6. Air Intake Control Switch (Fresh mode)
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-AAT

Automatic Operation

B970C03TG

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

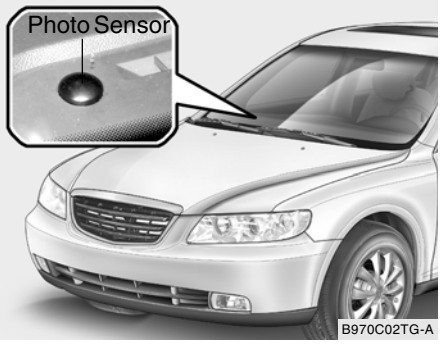
1. Push the "AUTO" switch. The indicator light will illuminate confirming that the Face, Floor and/or Bi-Level modes as well as the blower speed and air conditioner will be controlled automatically. The air conditioning will operate if ambient temperature is higher than 34.7°F(1.5°C) and automatically turns off if the ambient temperature drops below 33.08°F(0.6°C).

B970C04TG

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

NOTE:
If the battery has been discharged or disconnected, the temperature mode will reset to 73 °F.

You can change the temperature mode from Fahrenheit to Centigrade as follows;
Press the DUAL and MODE button simultaneously for 3 seconds.
The display shows that the unit of temperature is adjusted to Fahrenheit or Centigrade (°F → °C or °C → °F).



B970C02TG-A

NOTE:
Never place anything 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 by pushing buttons other than the "AUTO" button. In this state, the system sequentially works according to the order of buttons selected. The function of the buttons which are not selected will be controlled automatically. Press the "AUTO" button in order to convert to automatic control of the system.

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

B980B02TG

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.

B675C01TG-AAT

Air Intake Control Switch

HTG2144-1

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

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

B740A01LZ-AAT

Air Conditioning Switch

B740A02TG

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

B980D01TG

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

B985A01TG

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).

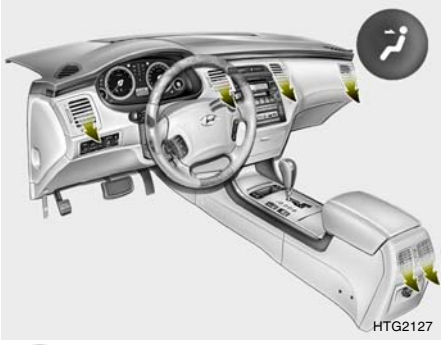
Adjusting the driver and passenger side temperature equally

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

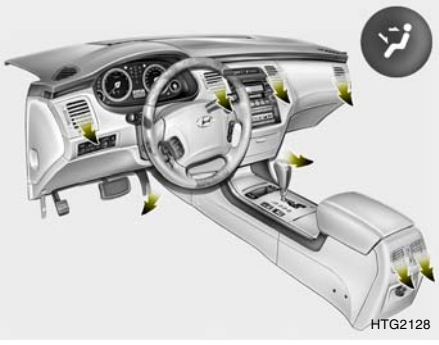
Air Flow Control

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



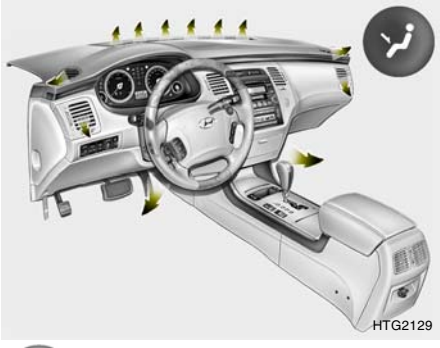
Face-Level

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



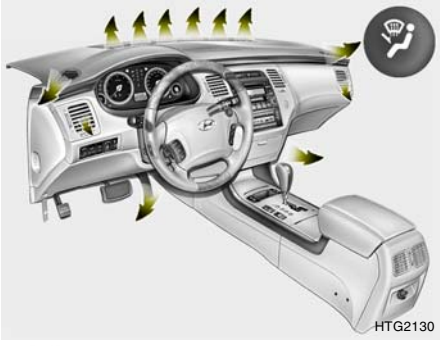
Bi-Level

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.

B980C01TG-AAT

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 37.4°F (3°C) and automatically turns off if the ambient temperature drops below 32°F (0°C) in manual operation.

In automatic operation, the air conditioning will operate if ambient temperature is higher than 34.7°F (1.5°C) and automatically turns off if the ambient temperature drops below 33.08°F (0.6°C).

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.

DEFROSTING/DEFOGGING

B720A01LZ-AAT

B725A03TG-A

B725A04TG-A

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 the "Fresh" mode will be activated.)
- o Set the fan speed control to the maximum speed.
- o Set the temperature control to the desired position.

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 the "Fresh" mode will be activated.)
- o Set the fan speed control to the maximum speed.
- o Set the temperature control to warm.

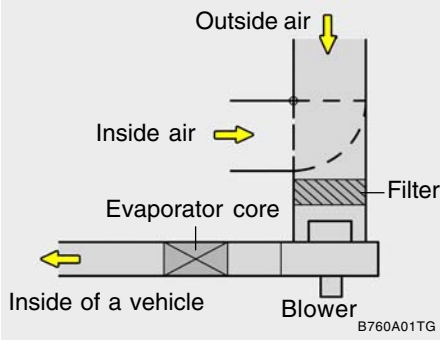
NOTE:

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.

CLIMATE CONTROL AIR FILTER

B760A02TG-AAT

(FOR EVAPORATOR AND BLOWER UNIT)



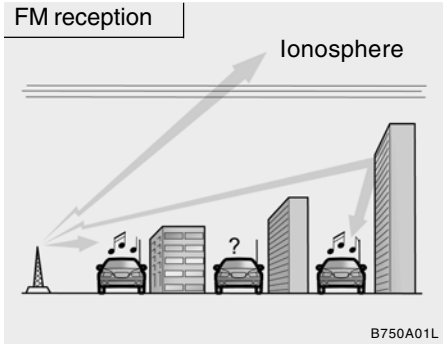
The climate control air filter is located in the upper portion of the blower fan.
It operates to decrease the amount of pollutants entering the car.
To replace the climate control air filter, refer to page 6-16.

CAUTION:

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

B750A02A-AAT

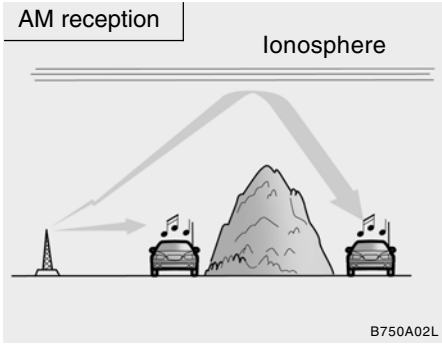
How Car Audio Works



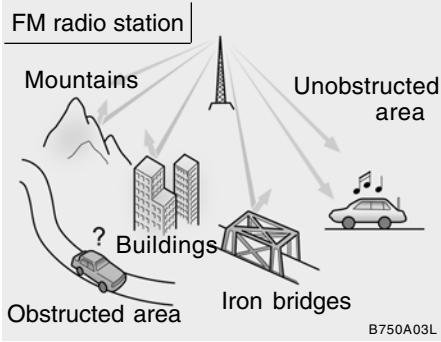
AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your car. This signal is then received by the radio and sent to your car speakers.

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.

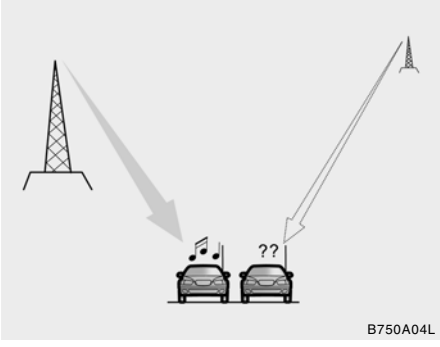
This can be due to factors such as the distance from the radio station, closeness of other strong radio stations or the presence of buildings, bridges or other large obstructions in the area.



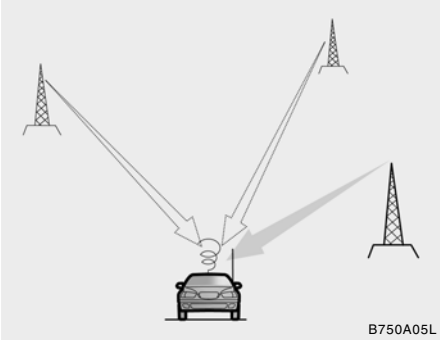
AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long, low frequency radio waves can follow the curvature of the earth rather than travelling straight out into the atmosphere. In addition, they curve around 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 an FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the clearest signal. If this occurs, select another station with a stronger signal.
- 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.

B750B05Y-AAT

Using a cellular phone or a two-way radio

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

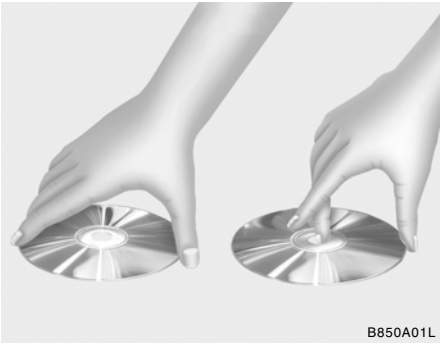
WARNING:
Hyundai recommends that you never use a cell phone while driving. This could result in loss of control, and an accident that may cause death, serious injury, or property damage. You must stop at a safe place to use a cellular phone.

NOTE:
Some states and cities have regulations prohibiting the use of cell phones while driving. You should be aware of the specific requirements in your area.

CARE OF DISCS

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.

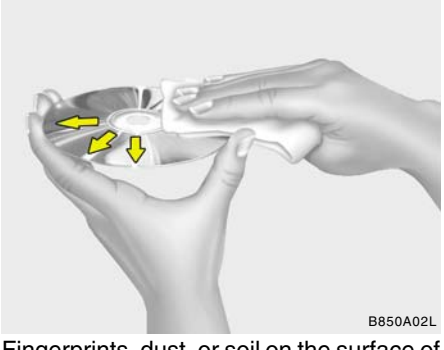
Damaged Disc

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

Keep Your Discs Clean



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

AVN (AUDIO, VIDEO AND NAVIGATION) SYSTEM

B875D01TG-AAT

(If Installed)

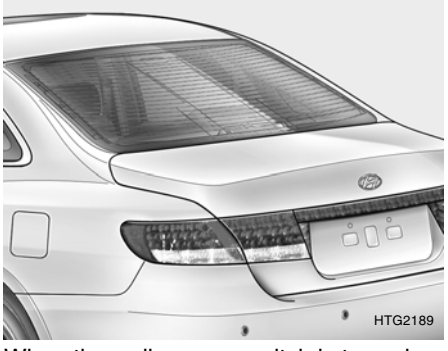
AVN (Audio, Video and Navigation System) is available as an optional feature for local area. If you need to choose this system, consult your authorized Hyundai dealer.

If your vehicle has a locally installed AVN, you can refer to the AVN operation manual provided with AVN for more detailed function.

ANTENNA

B870D01Y-AAT

Glass Antenna



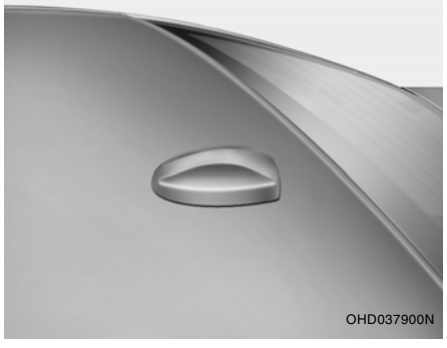
When the radio power switch is turned on while the ignition key is in either the "ON" or "ACC" position, your car will receive both AM and FM broadcast signals through the antenna in the rear window glass.

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 coatings to the rear window glass, such as Ni, Cd, etc. These can disturb receiving AM and FM broadcast signals.**

B880A01NF-AAT

Satellite Antenna (If Installed)



The satellite antenna is installed on the roof of your car to listen to a satellite radio broadcast. This antenna is fixed by nut and it can not be removed.

NOTE:

In the place like a tunnel where the satellite broadcast signal can not be reached, the ability of broadcast signal reception can be affected and downed.

PA710SA01NF-AAT

RADIO, SET UP, VOLUME CONTROL (PA710S) (If Installed)

1. FM Selection Button
2. AM Selection Button
3. XM Selection Button
4. CD/AUX Selection Button
5. Automatic Channel Selection Button
6. Power ON/OFF
7. SCAN Button
8. MUTE Button
9. Information Display Button
10. SET UP Button
11. TUNE/ENTER Button
12. CAT(FLDR) Button
13. Pre-set Button

PA710SB01TG-AAT

1. FM Selection Button

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

2. AM Selection Button

Turns to AM mode, selects the AM.

3. XM Selection Button

Turns to XM mode, and toggles in the order of XM1➟XM2➟XM3➟···➟XM1··· when the button is pressed each time.

4. CD/AUX Selection Button

If there is a CD in the CDP DECK it turns to CD mode, and if a device is connected to AUX then it toggles.
CD➟AUX➟CD··· when the button is pressed each time.(It will not turn to AUX if the auxiliary device is not connected)

5. Automatic Channel Selection Button

- o When the [SEEK ∨]button is pressed, it reduces the band frequency by 200khz to automatically select channel. Stops at the previous frequency if no channel is found.
- o When the [SEEK ∧]button is pressed, it increases the band frequency by 200khz to automatically select channel. Stops at the previous frequency if no channel is found.

6. Power ON/OFF & Volume Control Button

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

7. SCAN Button

If this button is pressed, the frequencies will increase and receive the corresponding broadcasts.
This function will play the frequencies for 5 seconds (XM mode : 10 seconds) each and find other broadcasts as the frequency increases.
Press the button again when desiring to continue listening to the currently playing broadcast.

8. MUTE Button

Press to temporarily cut off the Sound.

9. Information Display Button

Information Display function operation (Information is displayed each time (the) Key is pressed) : Pressing the Category/Channel➟ Artist Name/Song Title➟Category/Channel... for 3 seconds will display the corresponding text then become restored.

Text Scroll operation
After pressing (the) Key, if the text to be displayed is longer than the LCD text line, then rotating the Tune Knob will operate the Page up function displaying 16(Max. characters) characters for 3 seconds each dispalys.

10. SET UP Button

Press this button to turn to the XM option, TEXT SCROLL and adjustment mode.
If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SET UP mode, move between items using the left, right and PUSH functions of the TUNE button.)
The set up item changes from TEXT SCROLL ➟XM...

11. TUNE/ENTER Button

Turn this button clockwise by one notch to increase frequency by 200Khz from current frequency.
Turn this button counterclockwise by one notch to decrease frequency by 200Khz from current frequency.
Press this button while holding SET UP button to activate / inactivate the item.
Select SET UP item using left and right function of the Tune button.

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

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

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

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

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

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

12. CAT(FLDR) Button

Moves [CAT ∧] button when Category Up search operation.

- o Category is moved Up from the category currently being received and Category Name becomes displayed.
- o If the Enter Key is not pressed within 5 seconds, then the previous mode will be restored.
- o If the Key is pressed while in the last Category, then the first category will become displayed and operation will be repeated.
- o Corresponding category can be selected by pressing ENTER.

Moves [CAT ∨] button when Category Down search operation.

- o Category is moved Down from the category currently being received and Category Name becomes displayed.
- o If the Enter Key is not pressed within 5 seconds, then the previous mode will be restored.
- o If the [CAT ∨] Key is pressed while in the first Category, then the last category will become displayed and operation will be repeated.
- o Corresponding category can be selected by pressing ENTER.

13. Pre-set Button

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

PA710SC01NF-AAT

CD (PA710S) (If Installed)

1. CD loading slot
2. CD indicator
3. CD Eject Button
4. CD/AUX Selection Button
5. Automatic Track Selection Button
6. INFO Button
7. TUNE/ENTER Button
8. REPEAT Button
9. RANDOM Play Button
10. SCAN Play Button
11. MUTE Button

OTGAUDIO-26

PA710SD01TG-AAT

1. CD loading slot

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

2. CD Indicator

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

3. CD eject Button

Push ▲ button to eject the CD during CD playback. This button is enabled when ignition switch is off.

4. CD/AUX Selection Button

If the auxiliary device is connected, it turns to AUX MODE to play the sound from the auxiliary player.
If no Disc and auxiliary device is connected, it displays "NO Media" for 5 seconds and returns to the previous mode.

5. Automatic Track Selection Button

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

6. INFO Button

Displays the information of the current CD TRACK in the order of DISC TITLE➡ DISC ARTIST➡TRACK TITLE➡ TRACK ARTIST➡TOTAL TRACK➡ Play Screen➡ DISC TITLE ➡….(not displayed if the information is not available on the DISC.)

7. TUNE/ENTER Button

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

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

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

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

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

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

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

8.REPEAT Button

Repeats current song when the button is pressed for less than 0.8 second.
Repeats the entire DISC when the button is pressed for 0.8 second or longer.

9. RANDOM Play Button

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

10. SCAN Play Button

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

11. MUTE Button

Press this button to temporarily cut off the Sound. "Audio Mute" is displayed on the LCD. Press the button once again to cancel MUTE mode.

CAUTION IN USING USB DEVICE:

- **To use the external USB device, make sure the device is not connected when starting up the vehicle and connect the device after starting up.**
- **If you start the vehicle when the USB device is connected, it may damage the USB device. (USB is not ESA)**
- **If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.**
- **It may not play inauthentic MP3 or WMA files.**
  1) **It can only play MP3 files with the compression rate between 8Kbps~320Kbps.**
  2) **It can only play WMA music files with the compression rate between 8Kbps~320Kbps.**
- **Take cautions for static electricity when connecting or disconnecting the external USB device.**
- **Encoded MP3 PLAYER'S are not recognizable.**
- **Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.**
- **When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.**
- **Only the USB device formatted to FAT 12/16/32 can be used.**
- **USB device without USB IF (Implementers-Forum) authentication may not be recognizable.**
- **Make sure the USB connection terminal does not come in contact with a human body or any other object.**

- If you repeat connecting or disconnecting USB device in a short period of time, it may damage the device.
- You might hear unusual noise when connecting or disconnecting a USB device.
- If you disconnect the external USB device during playback in USB mode, the external USB device can be damaged. Therefore, connect the external USB device when the engine is turned off or in another mode.
- Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this does not indicate a problem.
- Do not use the USB device for other purposes than playing music files.
- Use of USB accessories such as a recharger or heater using the USB I/F may lower the performance or cause trouble.
- If you use devices such as a USB hub you purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.

PA710SE01NF-AAT

USING USB (PA710S) (If Installed)

1. AUX Selection Button
2. Track moving Button
3. INFO Selection Button
4. Folder moving Button
5. TUNE/ENTER Button
6. Random Playback Button
7. Repeat Selection Button
8. SCAN Selection Button

PA710SF01TG-AAT

If a USB device is connected to the multiple terminal inside the console on the right hand side of the driver's seat, the 'USB' icon will be displayed on the top right corner of the display screen.

1.AUX Selection Button

If USB is connected, it switches to the USB mode from the CD mode to play the song files stored in the USB.
If there is no CD and USB mode from the Radio mode, it displays 'NO MEDIA'.

2. Track Moving Button

- o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
  Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
  Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.
- o Press the [SEEK ∧] button for less than 0.8 second to move to the next track.
  Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of FILE NAME ➡TITLE➡ARTIST➡ALBUM➡FOLDER➡TOTAL FILE➡normal display➡FILE NAME➡… (Displays no information if the file has no song information.)

4. Folder moving Button

- o Moves [FLDR ∨] button to the child folder of the current folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.
- o Moves [FLDR ∧] button to the parent folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.

5. TUNE/ENTER Button

Turn this button clockwise to display the songs next to the currently played song.
Turn the button counterclockwise to display the songs before the currently played song.
Press the button to skip and play the selected song.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to start or stop the random playback of the songs in the current folder.
Press the button for more than 0.8 second to randomly play the entire songs in the USB device.
Press the button again to cancel the mode.

7. REPEAT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the USB device.

8. SCAN Button

Plays 10 seconds of each song in the USB device.
Press the button once again to cancel scanning.

NOTE FOR USING i-Pod DEVICE:

- **Some i-Pod models might not support the communication protocol and the files will not be played. (i-Pod models supported: Mini, 4G, Photo, Nano, 5G)**
- **The order of search or playback of songs in the i-Pod can be different from the order searched in the audio system.**
- **If the i-Pod crashes due to its own trouble, reset i-Pod. (Reset: Refer to i-Pod manual)**
- **An i-Pod may not operate normally on low battery charge.**

CAUTION IN USING i-Pod DEVICE:

- **You need the power cable exclusive for an i-Pod in order to operate i-Pod with the buttons on the audio system. The PC cable provided by Apple may cause a malfunction. Do not use it for vehicle use.**
- **When connecting the device with an i-Pod cable, push in the jack fully to not interfere with communication.**
- **When adjusting the sound of an i-Pod and the audio system, the sound effects of both devices will overlap each and might reduce or distort the quality of the sound.**
- **Deactivate (turn off) the equalizer function of an i-Pod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of an i-Pod.**
- **When the i-Pod cable is connected, the system can be switched to the AUX mode even without the i-Pod device and can cause noise. Disconnect i-Pod cable when you are not using the i-Pod device.**

PA710SG01NF-AAT

RUNNING i-Pod® (PA710S) (If Installed)

1. i-Pod Selection Button
2. Track moving Button
3. INFO Selection Button
4. Category Selection Button
5. TUNE/ENTER Button
6. RANDOM Playback Button
7. REPEAT Selection Button

* i-Pod® is a trademark of Apple Inc.

PA710SH01TG-AAT

If the i-Pod exclusive cable is connected to the multiple terminal inside the console on the right hand side of the driver's seat, the 'i-Pod' icon will be displayed on the top right corner of the display screen.

1. i-Pod Selection Button

If i-Pod is connected, it switches to the i-Pod mode from the CD mode to play the song files stored in the i-Pod.
If there is no CD and AUX mode from the Radio mode, it displays 'NO MEDIA'.

2. Track Moving Button

o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.

o Press the [SEEK ∧] button for less than 0.8 second to move to the next track.
Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of TITLE➡ARTIST➡ALBUM➡normal display ➡TITLE➡…
(Displays no information if the file has no song information.)

4. Category Selection Button

Moves to the upper category from currently played category of the i-Pod.
To move to (play) the category (song) displayed, press MENU(Preset6).
You will be able to search through the lower category of the selected category.
The order of i-Pod's category is SONG, ALBUMS, ARTISTS, GENRES, and i-Pod.

5. TUNE/ENTER Button

When you turn the button clockwise, it will display the songs (category) next to the song currently played (category in the same level).
Also, when you turn the button counterclockwise, it will display the songs (category) before the song currently played (category in the same level).
If you want to listen to the song displayed in the song category, press the button, then it will skip to the selected song and play.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to activate or deactivate the random playback of the songs within the current category.
Press the button for longer than 0.8 second to randomly play all songs in the entire album of the i-Pod.
Press the button once again to cancel the mode.

7. REPEAT Button

Repeats the song currently played.

PA760SA01NF-AAT

RADIO, SET UP, VOLUME CONTROL (PA760S) (If Installed)

1. FM Selection Button
2. AM Selection Button
3. XM Selection Button
4. CD/AUX Selection Button
5. Automatic Channel Selection Button
6. Power ON/OFF
7. SCAN Button
8. MUTE Button
9. Information Display Button
10. SET UP Button
11. TUNE/ENTER Button
12. CAT(FLDR) Button
13. Pre-set Button

OTGAUDIO-29

PA760SB01TG-AAT

1. FM Selection Button

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

2. AM Selection Button

Turns to AM mode, selects the AM.

3. XM Selection Button

Turns to XM mode, and toggles in the order of XM1➡XM2➡XM3➡···➡XM1··· when the button is pressed each time.

4. CD/AUX Selection Button

If there is a CD in the CDP DECK it turns to CD mode, and if a device is connected to AUX then it toggles.
CD➡AUX➡CD··· when the button is pressed each time.(It will not turn to AUX if the auxiliary device is not connected)

5. Automatic Channel Selection Button

o When the [SEEK ∨]button is pressed, it reduces the band frequency by 200khz to automatically select channel. Stops at the previous frequency if no channel is found.

o When the [SEEK ∧]button is pressed, it increases the band frequency by 200khz to automatically select channel. Stops at the previous frequency if no channel is found.

6. Power ON/OFF & Volume Control Button

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

7. SCAN Button

If this button is pressed, the frequencies will increase and receive the corresponding broadcasts.
This function will play the frequencies for 5 seconds (XM mode : 10 seconds) each and find other broadcasts as the frequency increases.
Press the button again when desiring to continue listening to the currently playing broadcast.

8. MUTE Button

Press to temporarily cut off the Sound.

9. Information Display Button

Information Display function operation (Information is displayed each time (the) Key is pressed) : Pressing the Category/Channel➡ Artist Name/Song Title➡Category/Channel... for 3 seconds will display the corresponding text then become restored.

Text Scroll operation
After pressing (the) Key, if the text to be displayed is longer than the LCD text line, then rotating the Tune Knob will operate the Page up function displaying 16(Max. characters) characters for 3 seconds each dispalys.

10. SET UP Button

Press this button to turn to the XM option, TEXT SCROLL and adjustment mode.
If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SET UP mode, move between items using the left, right and PUSH functions of the TUNE button.)
The set up item changes from TEXT SCROLL ➡XM...

11. TUNE/ENTER Button

Turn this button clockwise by one notch to increase frequency by 200Khz from current frequency.
Turn this button counterclockwise by one notch to decrease frequency by 200Khz from current frequency.
Press this button while holding SET UP button to activate / inactivate the item to select.
Select SET UP item using left and right function of the Tune button.

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

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

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

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

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

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

12. CAT(FLDR) Button

Moves [CAT ∧] button when Category Up search operation.

- o Category is moved Up from the category currently being received and Category Name becomes displayed.
- o If the Enter Key is not pressed within 5 seconds, then the previous mode will be restored.
- o If the Key is pressed while in the last Category, then the first category will become displayed and operation will be repeated.
- o Corresponding category can be selected by pressing ENTER.

Moves [CAT ∨] button when Category Down search operation.

- o Category is moved Down from the category currently being received and Category Name becomes displayed.
- o If the Enter Key is not pressed within 5 seconds, then the previous mode will be restored.
- o If the [CAT ∨] Key is pressed while in the first Category, then the last category will become displayed and operation will be repeated.
- o Corresponding category can be selected by pressing ENTER.

13. Pre-set Button

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

PA760SC01NF-AAT

CDC (PA760S) (If Installed)

1. CD loading slot
2. CD indicator
3. CD Eject Button
4. LOAD Button
5. CD/AUX Selection Button
6. Automatic Track Selection Button
7. INFO Button
8. TUNE/ENTER Button
9. REPEAT Button
10. RANDOM Play Button
11. DISC Selection Button
12. SCAN Play Button
13. MUTE Button

OTGAUDIO-30

PA760SD01TG-AAT

1. CD loading slot

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

2. CD Indicator

If the LOAD button is pressed, this indicator will begin to blink.

3. CD eject Button

Push ▲ button to eject the CD during CD playback. This button is enabled when ignition switch is off.

4. CD LOAD Button

Push [LOAD] button to load CDs to available CDC deck (from 1~6). Push [LOAD] button for more than 2 seconds to load into all available decks.
The last CD will play. 10 seconds idle status will disable loading process.

5. CD/AUX Selection Button

If the auxiliary device is connected, it turns to AUX MODE to play the sound from the auxiliary player.
If no auxiliary device is connected, it displays ""NO MEDIA"" for 5 seconds and returns to the previous mode.

6. Automatic Track Selection Button

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

7. INFO Button

Displays the information of the current CD TRACK in the order of DISC TITLE➡ DISC ARTIST➡TRACK TITLE➡ TRACK ARTIST➡TOTAL TRACK➡ Play Screen➡ DISC TITLE➡….(not displayed if the information is not available on the DISC.)

8. TUNE/ENTER Button

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

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

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

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

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

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

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

9. REPEAT Button

Repeats current song when the button is pressed for less than 0.8 second.
Repeats the entire DISC when the button is pressed for 0.8 second or longer.

10. RANDOM Play Button

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

11. DISC Selection Button

o [DISC ∨] Change Button
Changes disc to the previous disc.
o [DISC ∧] Change Button
Changes disc to the next disc.

12. SCAN Play Button

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

13. MUTE Button

Press this button to temporarily cut off the Sound. "Audio Mute" is displayed on the LCD. Press the button once again to cancel MUTE mode.

CAUTION IN USING USB DEVICE:

- **To use the external USB device, make sure the device is not connected when starting up the vehicle and connect the device after starting up.**
- **If you start the vehicle when the USB device is connected, it may damage the USB device. (USB is not ESA)**
- **If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.**
- **It may not play inauthentic MP3 or WMA files.**
  1) **It can only play MP3 files with the compression rate between 8Kbps~320Kbps.**
  2) **It can only play WMA music files with the compression rate between 8Kbps~320Kbps.**
- **Take cautions for static electricity when connecting or disconnecting the external USB device.**
- **Encoded MP3 PLAYER'S are not recognizable.**
- **Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.**

- When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.
- Only the USB device formatted to FAT 12/16/32 can be used.
- USB device without USB IF (Implementers-Forum) authentication may not be recognizable.
- Make sure the USB connection terminal does not come in contact with a human body or any other object.
- If you repeat connecting or disconnecting USB device in a short period of time, it may damage the device.
- You might hear unusual noise when connecting or disconnecting a USB device.
- If you disconnect the external USB device during playback in USB mode, the external USB device can be damaged. Therefore, connect the external USB device when the engine is turned off or in another mode.
- Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this does not indicate a problem.

- Do not use the USB device for other purposes than playing music files.
- Use of USB accessories such as a recharger or heater using the USB I/F may lower the performance or cause trouble.
- If you use devices such as a USB hub you purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.

PA760SE01NF-AAT

USING USB (PA760S) (If Installed)

1. AUX Selection Button
2. Track moving Button
3. INFO Selection Button
4. Folder moving Button
5. TUNE/ENTER Button
6. Random Playback Button
7. Repeat Selection Button
8. SCAN Selection Button

PA760SF01TG-AAT

If a USB is connected to the multiple terminal inside the console on the right hand side of the driver's seat, the 'USB' icon will be displayed on the top right corner of the display screen.

1.AUX Selection Button

If a USB device is connected, it switches to the USB mode from the CD mode to play the song files stored in the USB device.
If there is no CD and USB mode from the Radio mode, it displays 'NO MEDIA'.

2. Track Moving Button

o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.

o Press the [SEEK ∧] button for less than 0.8 second to move to the next track.
Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of FILE NAME ➡TITLE➡ARTIST➡ALBUM➡FOLDER➡TOTAL FILE➡normal display➡FILE NAME➡… (Displays no information if the file has no song information.)

4. Folder moving Button

o Moves [FLDR ∨] button child folder of the current folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.

o Moves [FLDR ∧] button parent folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.

5. TUNE/ENTER Button

Turn this button clockwise to display the songs next to the currently played song.
Turn the button counterclockwise to display the songs before the currently played song.
Press the button to skip and play the selected song.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to start or stop the random playback of the songs in the current folder.
Press the button for more than 0.8 second to randomly play the entire songs in the USB device.
Press the button again to cancel the mode.

7. REPEAT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the USB device.

8. SCAN Button

Plays 10 seconds of each song in the USB device.
Press the button once again to cancel scanning.

NOTE FOR USING i-Pod DEVICE:

- **Some i-Pod models might not support the communication protocol and the files will not be played. (i-Pod models supported: Mini, 4G, Photo, Nano, 5G)**
- **The order of search or playback of songs in the i-Pod can be different from the order searched in the audio system.**
- **If the i-Pod crashes due to its own trouble, reset i-Pod. (Reset: Refer to i-Pod manual)**
- **i-Pod may not operate normally on low battery.**

CAUTION IN USING i-Pod DEVICE:

- **You need the power cable exclusive for an i-Pod in order to operate i-Pod with the buttons on the audio system. The PC cable provided by Apple may cause a malfunction. Do not use it for vehicle use.**
- **When connecting the device with an i-Pod cable, push in the jack fully to not interfere with communication.**
- **When adjusting the sound of an i-Pod and the audio system, the sound effects of both devices will overlap each and might reduce or distort the quality of the sound.**
- **Deactivate (turn off) the equalizer function of an i-Pod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of an i-Pod.**
- **When the i-Pod cable is connected, the system can be switched to the AUX mode even without the i-Pod device and can cause noise. Disconnect i-Pod cable when you are not using the i-Pod device.**

PA760SG01NF-AAT

RUNNING i-Pod® (PA760S) (If Installed)

1. i-Pod Selection Button
2. Track moving Button
3. INFO Selection Button
4. Category Selection Button
5. TUNE/ENTER Button
6. RANDOM Playback Button
7. REPEAT Selection Button

* i-Pod® is a trademark of Apple Inc.

PA760SH01TG-AAT

In case the i-Pod exclusive cable is connected to the multiple terminal inside the console on the right hand side of the driver's seat. When the i-Pod is connected, the 'i-Pod' icon will be displayed on the top right corner of the display screen.

1. i-Pod Selection Button

If i-Pod is connected, it switches to the i-Pod mode from the CD mode to play the song files stored in the i-Pod.
If there are no CD and AUX mode from the Radio mode, it displays 'NO MEDIA'.

2. Track Moving Button

o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.

o Press the [SEEK ∧] button for less than 0.8 second to move to the next track.
Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of TITLE➡ARTIST➡ALBUM➡normal display ➡TITLE➡…
(Displays no information if the file has no song information.)

4. Category Selection Button

Moves to the upper category from currently played category of the i-Pod.
To move to (play) the category (song) displayed, press MENU(preset6).
You will be able to search through the lower category of the selected category.
The order of i-Pod's category is SONG, ALBUMES, ARTISTS, GENRES, and i-Pod.

5. TUNE/ENTER Button

When you turn the button clockwise, it will display the songs (category) next to the song currently played (category in the same level).
Also, when you turn the button counterclockwise, it will display the songs (category) before the song currently played (category in the same level).
If you want to listen to the song displayed in the song category, press the button, then it will skip to the selected song and play.

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

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

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

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

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

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

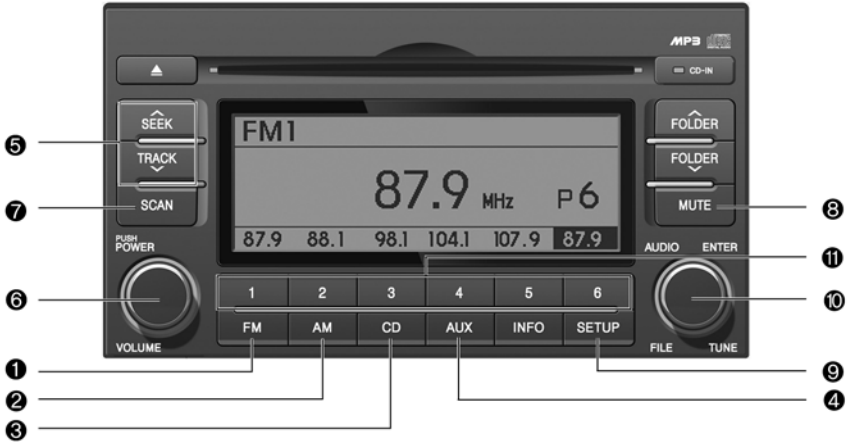
6. RANDOM Playback Button

Press the button for less than 0.8 second to activate or deactivate the random playback of the songs within the current category.
Press the button for longer than 0.8 second to randomly play all songs in the entire album of the i-Pod.
Press the button once again to cancel the mode.

7. REPEAT Button

Repeats the song currently played.

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



1. FM Selection Button
2. AM Selection Button
3. CD Selection Button
4. AUX Selection Button
5. Automatic Channel Selection Button
6. Power ON/OFF
7. SCAN Button
8. MUTE Button
9. SET UP Button
10. TUNE/ENTER Button
11. Pre-set Button

OTGAUDIO-17

1. FM Selection Button

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

2. AM Selection Button

Pressing the AM button selects the AM band. AM Mode is displayed on the LCD.

3. CD Selection Button

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

4. AUX Selection Button

If the auxiliary device is connected, it turns to AUX MODE to play the sound from the auxiliary player.
If no Disc and auxiliary device is connected, it displays “NO Media” for 5 seconds and returns to the previous mode.

5. Automatic Channel Selection Button

o When the [SEEK ∨] button is pressed, it reduces the band frequency by 100khz to automatically select channel. Stops at the previous frequency if no channel is found.

o When the [SEEK ∧] button is pressed, it increases the band frequency by 100khz to automatically select channel. Stops at the previous frequency if no channel is found.

6. Power ON/OFF & Volume Control Button

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

7. SCAN Button

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

8. MUTE Button

Press to temporarily cut off the Sound.

9. SET UP Button

Press this button to turn to the TEXT SCROLL, and adjustment mode.

If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SET UP mode, move between items using the left, right and PUSH functions of the TUNE button.)

10. TUNE/ENTER Button

Turn this button clockwise by one notch to increase frequency by 200kHz from current frequency.
Turn this button counterclockwise by one notch to decrease frequency by 200kHz from current frequency.
Press this button while holding SET UP button to activate / inactivate the item to select SET UP item using left and right function of the Tune button.

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

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

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

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

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

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

11. Pre-set Button

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

CD (PA710) (If Installed)

1. CD loading slot
2. CD indicator
3. CD Eject Button
4. AUX Selection Button
5. Automatic Track Selection Button
6. INFO Button
7. TUNE/ENTER Button
8. REPEAT Button
9. RANDOM Play Button
10. SCAN Play Button
11. MUTE Button

OTGAUDIO-18

1. CD loading slot

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

2. CD Indicator

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

3. CD eject Button

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

4. AUX Selection Button

If the auxiliary device is connected, it turns to AUX MODE to play the sound from the auxiliary player.
If no auxiliary device is connected, it displays "NO CONNECT" for 3 seconds and returns to the previous mode."

5. Automatic Track Selection Button

- o Push [SEEK ∨] button for less than 0.8 second to play from the beginning of current song.
- o Push [SEEK ∨] button for less than 0.8 second and press again within 3 seconds to play the previous song.
- o Push [SEEK ∨] button for 0.8 or longer to initiate reverse direction high speed sound search of current song.
- o Push [SEEK ∧] button for less than 0.8 second to play the next song.
- o Push [SEEK ∧] button for 0.8 or longer to initiate high speed sound search of current song.

6. INFO Button

Displays the information of the current CD TRACK in the order of DISC TITLE➡ DISC ARTIST➡TRACK TITLE➡TRACK ARTIST ➡TOTAL TRACK➡Play Screen➡ DISC TITLE➡··· (not displayed if the information is not available on the DISC.)

7. TUNE/ENTER Button

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

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

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

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

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

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

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

8. REPEAT Button

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

9. RANDOM Play Button

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

10. SCAN Play Button

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

11. MUTE Button

Press this button to temporarily cut off the Sound. "Audio Mute" is displayed on the LCD. Press the button once again to cancel MUTE mode.

CAUTION IN USING USB DEVICE:

- **To use the external USB device, make sure the device is not mounted when starting up the vehicle and mount the device after starting up.**
- **If you start the vehicle when the USB device is mounted, it may damage the USB device. (USB is not ESA)**
- **If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.**
- **It may not play inauthentic MP3 or WMA files.**
  1) It can only play MP3 files with the compression rate between 8Kbps~320Kbps.
  2) It can only play WMA music files with the compression rate between 8Kbps~320Kbps.
- **Take cautions for static electricity when mounting or dismounting the external USB device.**
- **Encoded MP3 PLAYER is not recognizable.**
- **Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.**

- When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.
- Only the USB device formatted to FAT 12/16/32.
- USB device without USB IF authentication may not be recognizable.
- Make sure the USB connection terminal does not come in contact with human body or any object.
- If you repeat mounting or dismounting USB device in a short period of time, it may break the device.
- You might hear strange noise when mounting or dismounting a USB device.
- If you dismount the external USB device during playback in USB mode, the external USB device can be damaged or malfunction. Therefore, mount the external USB device when the engine is turned off or in another mode.
- Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this is not a trouble and you only have to wait.
- Do not use the USB device for other purposes than playing music files.

- Use of USB accessories such as the recharger or heater using USB I/F may lower the performance or cause trouble.
- If you use devices such as the USB hub you purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.

USING USB (PA710) (If Installed)

1. AUX Selection Button
2. Track moving Button
3. INFO Selection Button
4. Folder moving Button
5. TUNE/ENTER Button
6. Random Playback Button
7. Repeat Selection Button
8. SCAN Selection Button

OTGAUDIO-19

In case USB is connected to the multiple terminal inside the console on the right hand side of the driver's seat. When USB is connected, the 'USB' icon will be displayed on the top right corner of the display screen.

1.AUX Selection Button

If USB is not connected, it switches to the USB mode from the Radio and CD mode to play the song files stored in the USB.
If AUX is not connected, it is invalid key.

2. Track Moving Button

- o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
  Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
  Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.
- o Press the [SEEK ∧] button for less than 0.8 seconds to move to the next track.
  Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of FILE NAME ➡TITLE➡ARTIST➡ALBUM➡FOLDER➡ TOTAL FILE➡NORMAL DISPLAY➡FILE NAME➡… (Displays no information if the file has no song information.)

4. Folder moving Button

- o Moves [FLDR ∨] button child folder of the current folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.
- o Moves [FLDR ∧] button parent folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.

5. TUNE/ENTER Button

Turn this button clockwise to display the songs next to the currently played song.
Turn the button counterclockwise to display the songs before the currently played song.
Press the button to skip and play the selected song.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to start or stop the random playback of the songs in the current folder.
Press the button for more than 0.8 second to randomly play the entire songs in the USB device.
Press the button again to cancel the mode.

7. REPEAT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the USB device.

8. SCAN Button

Plays 10 seconds of each song in the USB device.
Press the button once again to cancel scanning.

NOTE FOR USING i-Pod DEVICE:

- **Some i-Pod models might not support the communication protocol and the files will not be played. (i-Pod models supported: Mini, 4G, Photo, Nano, 5G)**
- **The order of search or playback of songs in the i-Pod can be different from the order searched in the audio system.**
- **If the i-Pod crashes due to its own trouble, reset i-Pod. (Reset: Refer to i-Pod manual)**
- **i-Pod may not operate normally on low battery.**

CAUTION IN USING i-Pod DEVICE:

- **You need the power cable exclusive for i-Pod in order to operate i-Pod with the buttons on the audio system. The PC cable provided by Apple may cause malfunction and do not use it for vehicle use.**
- **When connecting the device with i-Pod cable, push in the jack fully not to interfere with communication.**
- **When adjusting the sound effects of i-Pod and the audio system, the sound effects of both devices will overlap each and might cause reduce or distort the quality of the sound.**
- **Deactivate (turn off) the equalizer function of i-Pod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of i-Pod.**
- **When the i-Pod cable is connected, the system can be switched to the AUX mode even without the i-Pod device and can cause noise. Disconnect i-Pod cable when you are not using the i-Pod device.**

RUNNING i-Pod® (PA710) (If Installed)

1. i-Pod Selection Button
2. Track moving Button
3. INFO Selection Button
4. Category Selection Button
5. TUNE/ENTER Button
6. RANDOM Playback Button
7. REPEAT Selection Button

* i-Pod® is a trademark of Apple Inc.

In case the i-Pod exclusive cable is connected to the multiple terminal inside the console on the right hand side of the driver's seat. When the i-Pod is connected, the 'i-Pod' icon will be displayed on the top right corner of the display screen.

1. i-Pod Selection Button

If i-Pod is connected, it switches to the i-Pod mode from the Radio and CD mode to play the song files stored in the i-Pod.
If there are no CD and AUX mode from the Radio mode, it displays 'NO MEDIA'.

2. Track Moving Button

o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track. Press the button for 0.8 seconds or longer to play the song in reverse direction in fast speed.

o Press the [SEEK ∨] button for less than 0.8 second to move to the next track. Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of TITLE➡ARTIST➡ALBUM➡NORMAL DISPLAY ➡TITLE➡… (Displays no information if the file has no song information.)

4. Category Selection Button

Moves to the upper category from currently played category of the i-Pod.
To move to (play) the category (song) displayed, press MENU(Preset 6).
You will be able to search through the lower category of the selected category.
The order of i-Pod's category is SONG, ALBUMES, ARTISTS, GENRES, and i-Pod.

5. TUNE/ENTER Button

When you turn the button clockwise, it will display the songs (category) next to the song currently played (category in the same level).
Also, when you turn the button counterclockwise, it will display the songs (category) before the song currently played (category in the same level).

If you want to listen to the song displayed in the song category, press the button, then it will skip to the selected song and play.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to activate or deactivate the random playback of the songs within the current category.
Press the button for longer than 0.8 second to randomly play all songs in the entire album of the i-Pod.
Press the button once again to cancel the mode.

7. REPEAT Button

Repeats the song currently played.

RADIO, SET UP, VOLUME CONTROL (PA760) (If Installed)

1. FM Selection Button
2. AM Selection Button
3. CD Selection Button
4. AUX Selection Button
5. Automatic Channel Selection Button
6. Power ON/OFF
7. SCAN Button
8. MUTE Button
9. SET UP Button
10. TUNE/ENTER Button
11. Pre-set Button

OTGAUDIO-21

1. FM Selection Button

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

2. AM Selection Button

Pressing the AM button selects the AM band. AM Mode is displayed on the LCD.

3. CD Selection Button

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

4. AUX Selection Button

If the auxiliary device is connected, it turns to AUX MODE to play the sound from the auxiliary player.
If no Disc and auxiliary device is connected, it displays “NO Media” for 5 seconds and returns to the previous mode.

5. Automatic Channel Selection Button

- When the [SEEK ∨]button is pressed, it reduces the band frequency by 0.1Mhz to automatically select channel. Stops at the previous frequency if no channel is found.
- When the [SEEK ∨]button is pressed, it increases the band frequency by 0.1Mhz to automatically select channel. Stops at the previous frequency if no channel is found.

6. Power ON/OFF & Volume Control Button

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

7. SCAN Button

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

8. MUTE Button

Press to temporarily cut off the Sound.

9. SET UP Button

Press this button to turn to the TEXT SCROLL, and adjustment mode.
If no action is taken for 5 seconds after pressing the button, it will return to the play mode.(After entering SET UP mode, move between items using the left, right and PUSH functions of the TUNE button.)

10. TUNE/ENTER Button

Turn this button clockwise by one notch to increase frequency by 200kHz from current frequency.
Turn this button counterclockwise by one notch to decrease frequency by 200kHz from current frequency.
Press this button while holding SET UP button to activate / inactivate the item to select SET UP item using left and right function of the Tune button.

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

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

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

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

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

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

11. Pre-set Button

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

CDC (PA760) (If Installed)

1. CD loading slot
2. CD indicator
3. CD Eject Button
4. LOAD Button
5. AUX Selection Button
6. Automatic Track Selection Button
7. INFO Button
8. TUNE/ENTER Button
9. REPEAT Button
10. RANDOM Play Button
11. DISC selection Button
12. SCAN Play Button
13. MUTE Button

OTGAUDIO-22

1. CD loading slot

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

2. CD Indicator

If the LOAD button is pressed, this indicator will begin to blink.

3. CD eject Button

Push ⏏ button to eject the CD. This button is enabled when ignition switch is off.

4. CD LOAD Button

Push [LOAD] button to load CDs to available CDC deck (from 1~6). Push [LOAD] button for more than 2 seconds to load into all available decks.
The last CD will play. 10 seconds idle status will disable loading process.

5. AUX Selection Button

If the auxiliary device is connected, it turns to AUX MODE to play the sound from the auxiliary player.
If no auxiliary device is connected, it displays "NO CONNECT" for 3 seconds and returns to the previous mode."

6. Automatic Track Selection Button

- o Push [SEEK ∨] button for less than 0.8 second to play from the beginning of current song.
- o Push [SEEK ∨] button for less than 0.8 second and press again within 3 seconds to play the previous song.
- o Push [SEEK ∨] button for 0.8 or longer to initiate reverse direction high speed sound search of current song.
- o Push [SEEK ∧] button for less than 0.8 second to play the next song.
- o Push [SEEK ∧] button for 0.8 or longer to initiate high speed sound search of current song.

7. INFO Button

Displays the information of the current CD TRACK in the order of DISC TITLE➡ DISC ARTIST➡TRACK TITLE➡TRACK ARTIST ➡TOTAL TRACK➡Play Screen➡ DISC TITLE➡….(not displayed if the information is not available on the DISC.)

8. TUNE/ENTER Button

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

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

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

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

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

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

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

9. REPEAT Button

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

10. RANDOM Play Button

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

11. DISC Selection Button

o [DISC ∨] Change Button
Changes disc to the previous disc.
o [DISC ∧] Change Button
Changes disc to the next disc.

12. SCAN Play Button

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

13. MUTE Button

Press this button to temporarily cut off the Sound. "Audio Mute" is displayed on the LCD. Press the button once again to cancel MUTE mode.

CAUTION IN USING USB DEVICE:

- **To use the external USB device, make sure the device is not mounted when starting up the vehicle and mount the device after starting up.**
- **If you start the vehicle when the USB device is mounted, it may damage the USB device. (USB is not ESA)**
- **If the vehicle is started up or turned off while the external USB device is connected, the external USB device may not work.**
- **It may not play inauthentic MP3 or WMA files.**
  1) It can only play MP3 files with the compression rate between 8Kbps~320Kbps.
  2) It can only play WMA music files with the compression rate between 8Kbps~320Kbps.
- **Take cautions for static electricity when mounting or dismounting the external USB device.**
- **Encoded MP3 PLAYER is not recognizable.**
- **Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.**

- When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.
- Only the USB device formatted to FAT 12/16/32.
- USB device without USB IF authentication may not be recognizable.
- Make sure the USB connection terminal does not come in contact with human body or any object.
- If you repeat mounting or dismounting USB device in a short period of time, it may break the device.
- You might hear strange noise when mounting or dismounting a USB device.
- If you dismount the external USB device during playback in USB mode, the external USB device can be damaged or malfunction. Therefore, mount the external USB device when the engine is turned off or in another mode.
- Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device, but this is not a trouble and you only have to wait.
- Do not use the USB device for other purposes than playing music files.

- Use of USB accessories such as the recharger or heater using USB I/F may lower the performance or cause trouble.
- If you use devices such as the USB hub you purchased separately, the vehicle's audio system may not recognize the USB device. Connect the USB device directly to the multimedia terminal of the vehicle.

USING USB (PA760) (If Installed)

1. AUX Selection Button
2. Track moving Button
3. INFO Selection Button
4. Folder moving Button
5. TUNE/ENTER Button
6. Random Playback Button
7. Repeat Selection Button
8. SCAN Selection Button

In case USB is connected to the multiple terminal inside the console on the right hand side of the driver's seat. When USB is connected, the 'USB' icon will be displayed on the top right corner of the display screen.

1.AUX Selection Button

If USB is not connected, it switches to the USB mode from the Radio and CD mode to play the song files stored in the USB.
If AUX is not connected, it is invalid key.

2. Track Moving Button

- o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
  Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
  Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.
- o Press the [SEEK ∧] button for less than 0.8 second to move to the next track.
  Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of FILE NAME ➡TITLE➡ARTIST➡ALBUM➡FOLDER➡ TOTAL FILE➡NORMAL DISPLAY➡FILE NAME➡… (Displays no information if the file has no song information.)

4. Folder moving Button

- o Moves [FLDR ∨] button child folder of the current folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.
- o Moves [FLDR ∧] button parent folder and displays the first song in the folder. Press TUNE/ENTER button to move to the folder displayed. It will play the first song in the folder.

5. TUNE/ENTER Button

Turn this button clockwise to display the songs next to the currently played song.
Turn the button counterclockwise to display the songs before the currently played song.
Press the button to skip and play the selected song.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to start or stop the random playback of the songs in the current folder.
Press the button for more than 0.8 second to randomly play the entire songs in the USB device.
Press the button again to cancel the mode.

7. REPEAT Button

Press the button for less than 0.8 second to repeat the song currently played.
Press the button for more than 0.8 second to repeat the entire songs in the USB device.

8. SCAN Button

Plays 10 seconds of each song in the USB device.
Press the button once again to cancel scanning.

NOTE FOR USING i-Pod DEVICE:

- **Some i-Pod models might not support the communication protocol and the files will not be played. (i-Pod models supported: Mini, 4G, Photo, Nano, 5G)**
- **The order of search or playback of songs in the i-Pod can be different from the order searched in the audio system.**
- **If the i-Pod crashes due to its own trouble, reset i-Pod. (Reset: Refer to i-Pod manual)**
- **i-Pod may not operate normally on low battery.**

CAUTION IN USING i-Pod DEVICE:

- **You need the power cable exclusive for i-Pod in order to operate i-Pod with the buttons on the audio system. The PC cable provided by Apple may cause malfunction and do not use it for vehicle use.**
- **When connecting the device with i-Pod cable, push in the jack fully not to interfere with communication.**
- **When adjusting the sound effects of i-Pod and the audio system, the sound effects of both devices will overlap each and might cause reduce or distort the quality of the sound.**
- **Deactivate (turn off) the equalizer function of i-Pod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of i-Pod.**
- **When the i-Pod cable is connected, the system can be switched to the AUX mode even without the i-Pod device and can cause noise. Disconnect i-Pod cable when you are not using the i-Pod device.**

RUNNING i-Pod® (PA760) (If Installed)

1. i-Pod Selection Button
2. Track moving Button
3. INFO Selection Button
4. Category Selection Button
5. TUNE/ENTER Button
6. RANDOM Playback Button
7. REPEAT Selection Button

* i-Pod® is a trademark of Apple Inc.

In case the i-Pod exclusive cable is connected to the multiple terminal inside the console on the right hand side of the driver's seat. When the i-Pod is connected, the 'i-Pod' icon will be displayed on the top right corner of the display screen.

1. i-Pod Selection Button

If i-Pod is connected, it switches to the i-Pod mode from the Radio and CD mode to play the song files stored in the i-Pod.
If there are no CD and AUX mode from the Radio mode, it displays 'NO MEDIA'.

2. Track Moving Button

o Press the [SEEK ∨] button for less than 0.8 second to play from the beginning of the song currently played.
Press the button for less than 0.8 second and press it again within 1 second to move and play the previous track.
Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.

o Press the [SEEK ∧] button for less than 0.8 second to move to the next track.
Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. INFO Button

Displays the information of the file currently played in the order of TITLE➡ARTIST➡ALBUM➡NORMAL DISPLAY➡TITLE➡… (Displays no information if the file has no song information.)

4. Category Selection Button

Moves to the upper category from currently played category of the i-Pod.
To move to (play) the category (song) displayed, press MENU(Preset 6).
You will be able to search through the lower category of the selected category.
The order of i-Pod's category is SONG, ALBUMES, ARTISTS, GENRES, and i-Pod.

5. TUNE/ENTER Button

When you turn the button clockwise, it will display the songs (category) next to the song currently played (category in the same level).
Also, when you turn the button counterclockwise, it will display the songs (category) before the song currently played (category in the same level).

If you want to listen to the song displayed in the song category, press the button, then it will skip to the selected song and play.

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

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

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

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

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

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

6. RANDOM Playback Button

Press the button for less than 0.8 second to activate or deactivate the random playback of the songs within the current category.
Press the button for longer than 0.8 second to randomly play all songs in the entire album of the i-Pod.
Press the button once again to cancel the mode.

7. REPEAT Button

Repeats the song currently played.

DRIVING YOUR HYUNDAI

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WARNING: ENGINE EXHAUST CAN BE DANGEROUS!

C010A03A-AAT

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

- **Do not inhale exhaust fumes.**
  Exhaust fumes contain carbon monoxide, a colorless, odorless gas that can cause unconsciousness and death by asphyxiation.
- **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.
- **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.
- **Avoid idling the engine for prolonged periods with people inside the car.**
  If it is necessary to idle the engine for a prolonged period with people inside the car, be sure to do so only in an open area with the air intake set at "Fresh" and fan operating at one of the higher speeds so fresh air is drawn into the interior.

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

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

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

PROPOSITION 65 WARNING:
Engine exhaust and a wide variety of automobile components and parts, including components found in the interior furnishings in a vehicle, contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

BEFORE STARTING THE ENGINE

C020A02TG-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.

WARNING:
- **Always wear appropriate shoes when operating your vehicle. Unsuitable shoes (high heels, ski boots, etc.) may interfere with your ability to use the brake and accelerator pedal.**
- **All passengers must be properly belted whenever the vehicle is moving. Refer to pages: 1-27 through 1-34 for more information on their proper use.**
- **Always check the surrounding areas near your vehicle for people, especially children, before putting a car into 'drive'.**
- **When you intend to park or stop the vehicle with the engine on, be careful not to depress the accelerator pedal for a long period of time. It may overheat the engine or exhaust system and cause fire.**

TO START THE ENGINE

C030A01TG-AAT

COMBINATION IGNITION SWITCH

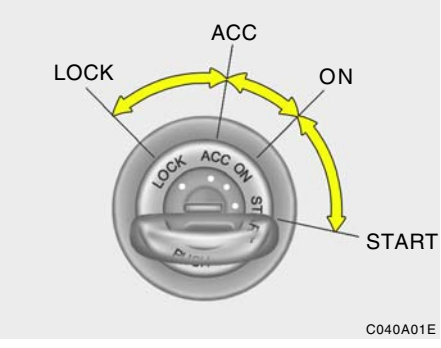
- o Place the shift lever in "P" (park) and depress the brake pedal fully.
- o To start the engine, insert the ignition key and turn it to the "START" position. Release it as soon as the engine starts. Do not hold the key in the "START" position for more than 15 seconds.

NOTE:

- **o For safety, the engine will not start if the shift lever is not in "P" or "N" Position.**
- **o The ignition key cannot be turned from "ACC" position to "LOCK" position unless the shift lever is in the "P" (Park) position or the negative battery terminal is disconnected from the battery. To remove the key, always confirm that the shift lever is securely positioned in "P" (Park).**
- **o For additional information about starting, see page 2-5.**

KEY POSITIONS

C040A02A-AAT



C040A01E

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

o "START"

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

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

o "ON"

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

o "ACC"

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

o "LOCK"

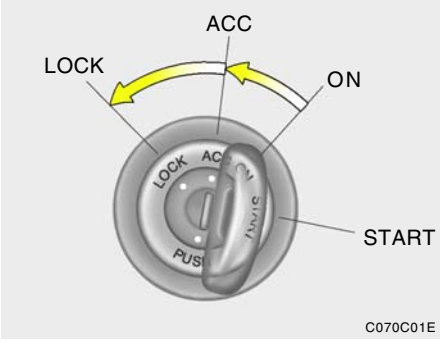
The key can be removed or inserted in this position.
To protect against theft, the steering wheel locks by removing the key.

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

STARTING

C070C01A-AAT

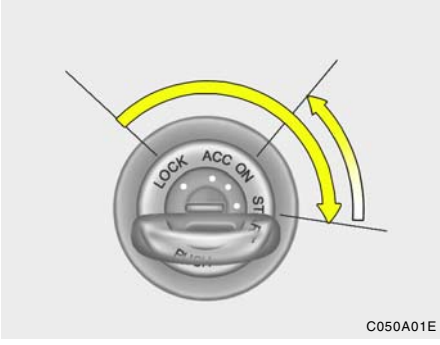
To remove the ignition key



C070C01E

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.

C050B02TG-AAT

Normal Conditions:

The Starting Procedure:

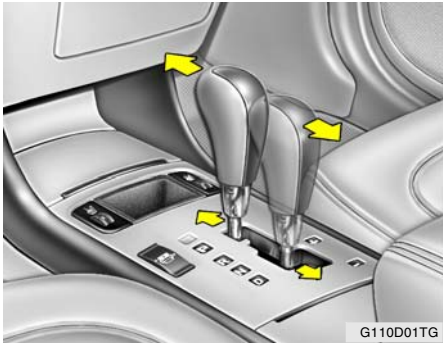
1. Insert key, and fasten the seat belt.
2. Depress the brake pedal fully and place the selector lever in "P" (park) position.
3. After turning the ignition key to the "ON" position, make certain all warning lights and gauges are functioning properly before starting the engine.
4. Turn the ignition key to the "START" position and release it when the engine starts. After the engine has started, allow the engine to run for 10 to 20 seconds prior to placing the vehicle in gear. The starter should not be operated for more than 15 seconds at a time. Wait 15-30 seconds between starting attempts to protect the starter from overheating.

WARNING:
Always fully depress the brake pedal before and while shifting out of the "P" Park position into another position to avoid inadvertent motion of the vehicle which could injure persons in or around the car.

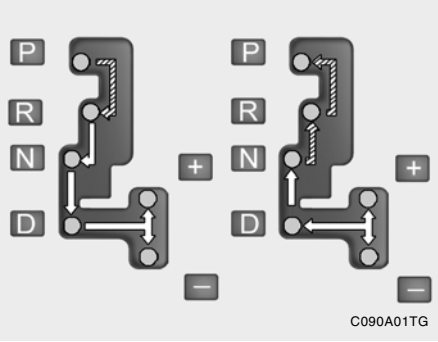
AUTOMATIC TRANSAXLE

C090A02TG-GAT

Automatic transaxle operation



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.
In the main gate, the selector lever has 4 positions (P,R,N,D) for normal driving.The manual gate (+, -) is used for sports mode driving.



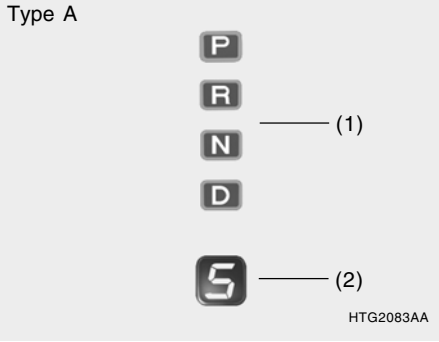
Depress the brake pedal when shifting.

The selector lever can be shifted freely.

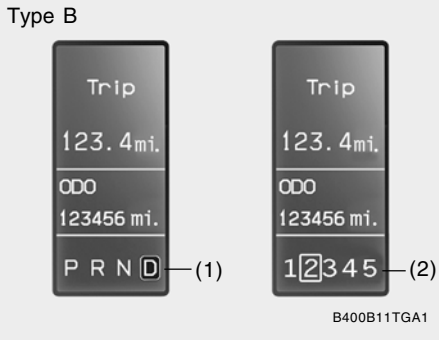
The first few shifts on a new vehicle, or if the battery has been disconnected, may be somewhat abrupt. This is a normal condition, and the shifting sequence will adjust after shifts are cycled a few times by the T.C.M (Transaxle Control Module).

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

Type A



Type B



The indicator lights in the instrument cluster indicate the selector lever position (1) when the ignition is switched "ON". During sports mode operation, the gear currently in use displays in the numeral indicator (2).

C090B03A-AAT

Transaxle ranges

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.

NOTE:
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.

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.

C090E02TG-GAT

o D (Drive):

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

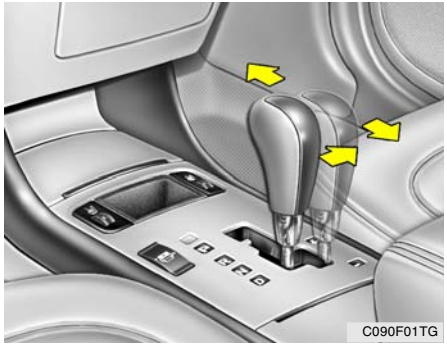
C095E01TG-GAT

o +,- (Sports mode) :

This is the sports mode position. Gears can be shifted up or down by operating the selector lever manually.
+ : Upshift
- : Downshift

C090F02TG-GAT

Sports Mode


C090F01TG

You can use this mode to feel the driving of manual transaxle vehicle by operating the selector lever manually. To change the mode, push the selector lever from D to sports mode. To return to normal automatic driving mode, push the selector lever back to D.
Sports mode can be used for driving on a slippery road, hill climbing or engine braking in down hill by selecting proper gear.

Shifting up (1→2→3→4→5) : Move the lever forward(+) once to shift up one gear.
Shifting down (5→4→3→2→1) : Move the lever backward(-) once to shift down one gear.

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.
- Since sudden engine braking and/or rapid acceleration can cause a loss of traction, downshifts must be made carefully in accordance with the vehicle's speed.

NOTE:

- In sports mode, downward shifts are made automatically when the vehicle slows down. When the vehicle stops, 1st gear is automatically selected.
- To maintain the required levels of vehicle performance and safety, the system may not execute certain gearshifts when the selector lever is operated.
- 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.

C090I04L-GAT

CAUTION:

- Shift into "R", "D" and "P" position only when the vehicle has completely stopped.
- Do not accelerate the engine in reverse or any of the forward positions with the brakes applied.
- Always apply the footbrake when shifting from "P" or "N", to "R" or "D"position.
- Do not use the "P" (Park) position in place of the parking brake. Always set the parking brake, shift the transaxle into "P" (Park) position and turn off the ignition when you leave the vehicle, even momentarily. Never leave the vehicle unattended while the engine is running.
- When accelerating from a stop on a steep hill, the vehicle may have a tendency to roll backwards. Shifting the shift lever into 2nd gear 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.

C090J01TG-GAT

SHIFT LOCK RELEASE

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, push the shift lock release button down with a thin object such as a flat-head screwdriver. 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.
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.

C090N06O-AAT

Good Driving Practices

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

WARNING:

- **o Always buckle-up! In a collision, an unbelted occupant is significantly more likely to be seriously injured or killed than a properly belted occupant.**
- **o Avoid high speeds when cornering or turning.**
- **o Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.**

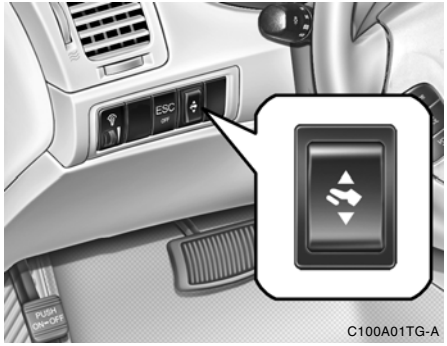
WARNING:

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

POWER ADJUSTABLE PEDALS

C100A01NF-AAT

(If Installed)



To adjust the position of the accelerator and brake pedals, turn the ignition key to the "ON" position with the selector lever in the "P" position and push the switch.

If you push the "▲" portion of the switch, the pedals move rearward.
If you push the "▼" portion of the switch, the pedals move forward.

Setting the driver's position

1) Be sure the parking brake is engaged.
2) Move the accelerator and brake pedals to the front most position by pushing the "▼" portion of the switch.
3) Adjust the seat position and the steering wheel angle properly.
4) Move the pedals toward you until you can fully depress the brake pedal by pushing the "▲" portion of the switch.
5) Depress the pedals a few times to get used to the feel after adjusting.

WARNING:

- **Adjust the pedals after parking the vehicle on level ground. Never attempt to adjust the pedals while the vehicle is moving.**
- **Never adjust the pedals with your foot on the accelerator pedal as this may result in increasing the engine speed and acceleration.**
- **Make sure that you can fully depress the brake pedal before driving. Otherwise, you may not be able to hold down the brake pedal firmly in an emergency stop.**

ANTI-LOCK BRAKE SYSTEM (ABS)

C120A01TG-AAT

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

WARNING:

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

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

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

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

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

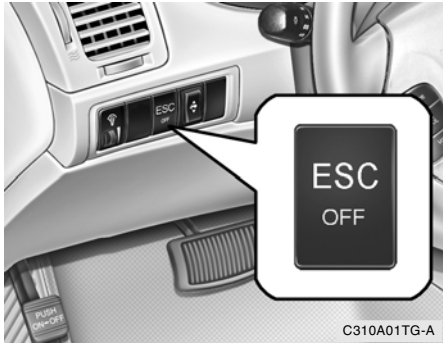
ELECTRONIC STABILITY CONTROL (ESC) SYSTEM

C310A02NF-AAT

(If Installed)

WARNING:

Never drive too fast for the road conditions or too quickly when cornering. Electronic stability control (ESC) will not prevent accidents. Excessive speed in turns, abrupt maneuvers and hydroplaning on wet surfaces can still result in serious accidents. Only a safe and attentive driver can prevent accidents by avoiding maneuvers that cause the vehicle to lose traction. Even with ESC installed, always follow all the normal precautions for driving - including driving at safe speeds for the conditions.



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

The Electronic Stability Control (ESC) 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 ESC 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 sizes may cause the ESC system to malfunction. When replacing tires, make sure they are the same size as your original tires.

C310B01TG-AAT

ESC ON/OFF Mode

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

NOTE:
- **The ESC mode will automatically be turned ON after the engine is turned off and restarted.**
- **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 Electronic Stability Control System is functioning properly.**
- **During ESC operation, a 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 Electronic Stability Control System is functioning properly.**

WARNING:
ESC 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 Electronic Stability Control 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:

WARNING:
- **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 ESC equipped vehicle should not be tested by high speed driving or cornering. This could endanger the safety of yourself or others.

C310D01NF-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 ESC or ESC-OFF indicator does not go out after 3 seconds, have the vehicle checked by an authorized dealer.

Should there be any unusual operation of the device while driving, the ESC-OFF indicator illuminates as a warning.
If the ESC-OFF indicator illuminates, drive your car to a safe place and stop the engine.
Then, start the engine again to check if the ESC-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.

GOOD BRAKING PRACTICES

C130A02A-AAT

WARNING:

- **Whenever leaving vehicle or parking, always set the parking brake as far as possible and fully engage the vehicle's transaxle into the park position. Vehicles not fully engaged in park with the parking brake set are at risk for moving inadvertently and injuring yourself or others.**
- **All vehicles should always have the parking brake fully engaged when parking to avoid inadvertent movement of the car which can injure occupants or pedestrians.**
- **Nothing should be carried on top of the shelf panel behind the rear seat. If there were an accident or a sudden stop, such objects could move forward and cause damage to the vehicle or injure the occupants.**

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

C140A02A-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 "jack-rabbit" starts or full-throttle shifts and maintain a steady cruising speed. Don't race between stoplights. Try to adjust your speed to that of the other traffic so you don't have to change speeds unnecessarily. Avoid heavy traffic whenever possible. Always maintain a safe distance from other vehicles so you can avoid unnecessary braking. This also reduces brake wear.
- Drive at a moderate speed. The faster you drive, the more fuel your car uses. Driving at a moderate speed, especially on the highway, is one of the most effective ways to reduce fuel consumption.
- Don't "ride" the brake or clutch pedal. This can increase fuel consumption and also increase wear on these components. In addition, driving with your foot resting on the brake pedal may cause the brakes to overheat, which reduces their effectiveness and may lead to more serious consequences.
- Take care of your tires. Keep them inflated to the recommended pressure. Incorrect inflation, either too much or too little, results in unnecessary tire wear. Check the tire pressures at least once a month.
- Be sure that the wheels are aligned correctly. Improper alignment can result from hitting curbs or driving too fast over irregular surfaces. Poor alignment causes faster tire wear and may also result in other problems as well as greater fuel consumption.
- Keep your car in good condition. For better fuel economy and reduced maintenance costs, maintain your car in accordance with the maintenance schedule in Section 5. If you drive your car in severe conditions, more frequent maintenance is required (see Section 5 for details).
- Keep your car clean. For maximum service, your Hyundai should be kept clean and free of corrosive materials. It is especially important that mud, dirt, ice, etc. not be allowed to accumulate on the underside of the car. This extra weight can result in increased fuel consumption and also contribute to corrosion.

- Travel lightly. Don't carry unnecessary weight in your car. Weight reduces fuel economy.
- Don't let the engine idle longer than necessary. If you are waiting (and not in traffic), turn off your engine and restart only when you're ready to go.
- Remember, your Hyundai does not require extended warm-up. After the engine has started, allow the engine to run for 10 to 20 seconds prior to placing the vehicle in gear. 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-AAT

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 states. Check state laws before fitting tire chains.

C160C01A-AAT

Use High Quality Ethylene Glycol Coolant

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

C160D01A-AAT

Check Battery and Cables

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

C160E01A-AAT

Change to "Winter Weight" Oil if Necessary

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

C160F02A-AAT

Check Spark Plugs and Ignition System

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

C160G01A-GAT

To Keep Locks from Freezing

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

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

C160H02A-AAT

Use Approved Window Washer Anti-Freeze in System

To keep the water in the window washer system from freezing, add an approved window washer 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 paint finish.

C160I01L-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" 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.

HIGHER SPEED MOTORING

C170A02A-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.

WARNING:
- **Underinflated or overinflated tires can cause poor handling, loss of vehicle control, and sudden tire failure leading to accidents, injuries, and even death. Always check tires are properly inflated before driving. Refer to pages 2-23 and 8-3 for proper tire pressures and further information.**

WARNING:
- **Driving on tires with no or insufficient tread is dangerous. Worn-out tires can result in loss of vehicle control, collisions, injury, and even death. Worn-out tires should be replaced as soon as possible and should never be used for driving. Always check tire tread before driving your car. Refer to 8-11 for further information and tread limits.**

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

C190A01TG-AAT

If you are considering towing with your car, you should first check with your State's Department of Motor Vehicles to determine their legal requirements.
Since laws vary from State to State 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 1,200 miles (2,000 km) in order to allow the engine to properly break in. Failure to heed this caution may result in serious engine or transaxle damage.**
- **When towing a trailer, be sure to consult your Hyundai dealer for further information on additional requirements such as a towing kit, etc.**

C190B01S-AAT

Trailer Hitches

Select the proper hitch and ball combination, making sure that its 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.

C190C01Y-AAT

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 6%) pay close attention to the engine coolant temperature gauge to ensure the engine does not overheat. If the needle of the coolant temperature gauge moves across the dial towards "H" (HOT), pull over and stop as soon as it is safe to do so, and allow the engine to idle until it cools down. You may proceed once the engine has cooled sufficiently.**

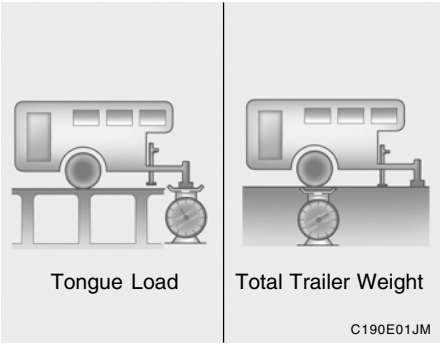
C190D01S-AAT

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 leave the roadway. To eliminate this potentially dangerous situation, safety chains, attached between your car and the trailer or towed vehicle, are required in most states.

C190E01TG-AAT

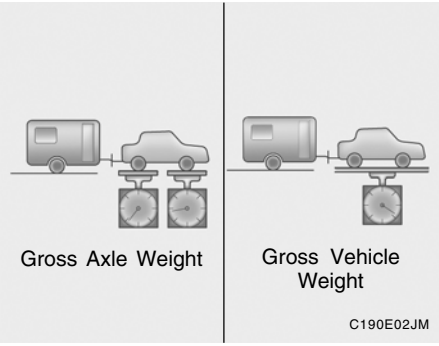
Trailer Weight Limit



- o Keep the tongue load 10% of the total trailer load.
- o $\frac{\text{Tongue load}}{\text{Total trailer weight}} \times 100 = 10\%\ (\text{MAX})$
- o 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.**

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

lbs(kg)

	Maximum Towable Weight	
	Trailer	Tongue
With Brake	2000 (900)	200 (90)
Without Brake	1000 (450)	-

WARNING:
- **Improperly loading your vehicle and trailer can seriously affect its steering and braking performance causing a crash which could cause serious injury or death.**
- **Towing a trailer affects vehicle handling and braking.**
- **Drive more slowly when towing a trailer and allow more distance when braking.**
- **Be careful when driving in slippery and windy conditions.**
- **Be careful when turning and while driving up and down hills.**

C190F01TG-AAT

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 60 mph)
3. Trailer towing requires more fuel than normal conditions.
4. To maintain engine braking efficiency and electrical charging performance, do not tow a trailer with the transaxle engaged in overdrive gear.
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 Park. In addition, place wheel chocks at each of the trailer's tires.
9. If the trailer has electric brakes, start your vehicle and trailer moving, and then apply the trailer brake controller by hand to be sure the brakes are working. This lets you check your electrical connection at the same time.
10. During your trip, check occasionally to be sure that the load is secure, and that the lights and any trailer brakes are still working.
11. Avoid jerky starts, sudden acceleration or sudden stops.
12. Avoid sharp turns and rapid lane changes.
13. Avoid holding the brake pedal down too long or too frequently. This could cause the brakes to overheat, resulting in reduced braking efficiency.
14. When going down a hill, shift into a lower gear and use the engine braking effect.
    When ascending a long grade, downshift the transaxle to a lower gear and reduce speed to reduce chances of engine overloading and/or overheating.
15. If you have to stop while going uphill, do not hold the vehicle in place by pressing on the accelerator. This can cause the automatic transaxle to overheat. Use the parking brake or footbrake.

NOTE:
When towing, check transaxle fluid more frequently.

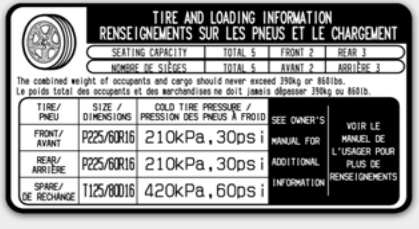
CAUTION:
If overheating should occur when towing, (the temperature gauge reads near red zone), taking the following action may reduce or eliminate the problem.

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

C190F01TG-AAT

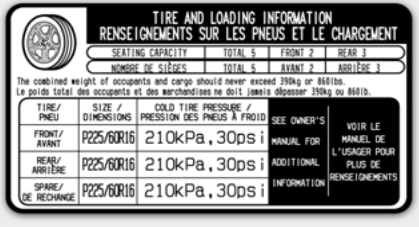
Tire and Loading Information Label

Type A



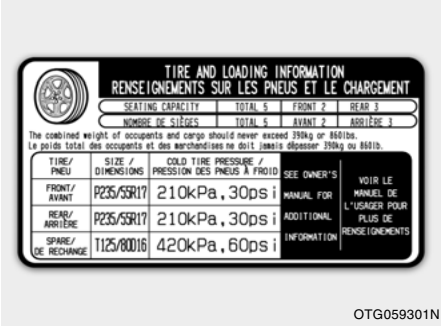
OTG059300N

Type B



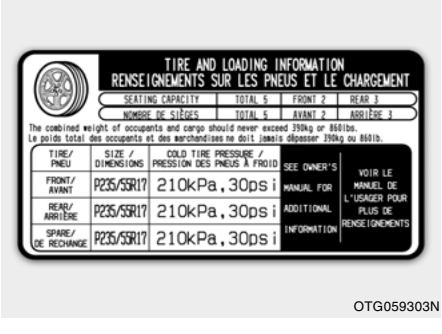
OTG059302N

Type C



OTG059301N

Type D



OTG059303N

The tire label located on the driver's side of the center pillar outer panel gives the original tire size, cold tire pressures recommended for your vehicle, the number of people that can be in your vehicle and vehicle capacity weight.

Vehicle capacity weight:
860 lbs (390 kg)
Vehicle capacity weight is the maximum combined weight of occupants and cargo. If your vehicle is equipped with a trailer, the combined weight includes the tongue load.

Seating capacity:
Total: 5 persons
(Front seat: 2 persons,
Rear seat: 3 persons)
Seating capacity is the maximum number of occupants including a driver, your vehicle may carry.

However the seating capacity may be reduced based upon the weight of all of the occupants, and the weight of the cargo being carried or towed. Do not overload the vehicle as there is a limit to the total weight, or load limit including occupants and cargo, the vehicle can carry.

Towing capacity:
Towing capacity is the maximum trailer weight including its cargo weight, your vehicle can tow. See the section "Trailer or Vehicle Towing" for specifications about the trailer weight.

Cargo capacity:
The cargo capacity of your vehicle will increase or decrease depending on the weight and the number of occupants and the tongue load, if your vehicle is equipped with a trailer.

Steps for Determining Correct Load Limit

(1) Locate the statement "The combined weight of occupants and cargo should never exceed XXX pounds" on your vehicle's placard.

(2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.

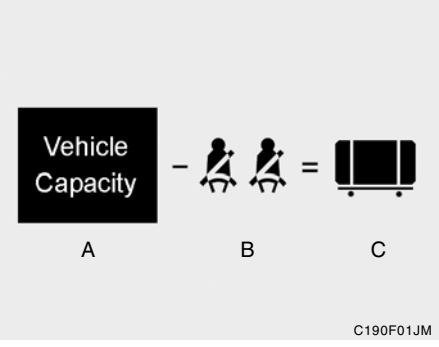
(3) Subtract the combined weight of the driver and passengers from XXX kilograms or XXX pounds.

(4) The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the "XXX" amount equals 1400 lbs, and there will be five 150 lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400-750 (5 x 150) = 650 lbs.)

(5) Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

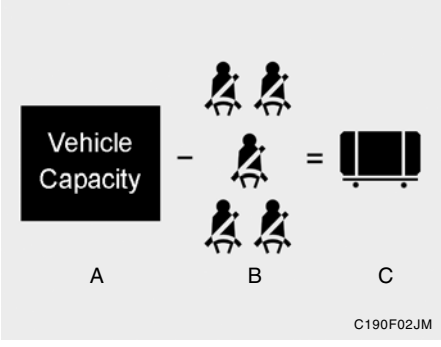
(6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle.

Example 1



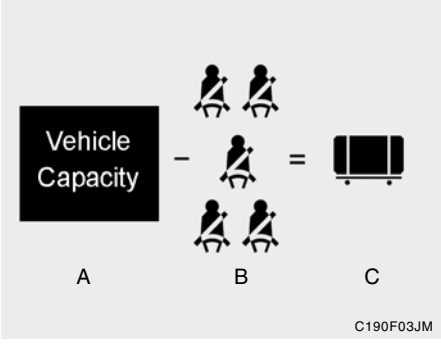
Item	Description	Total
A	Vehicle Capacity Weight	1400 lbs (635 kg)
B	Subtract Occupant Weight 150 lbs (68 kg) × 2	300 lbs (136 kg)
C	Available Cargo and Luggage weight	1100 lbs (489 kg)

Example 2



Item	Description	Total
A	Vehicle Capacity Weight	1400 lbs (635 kg)
B	Subtract Occupant Weight 150 lbs (68 kg) x 5	750 lbs (340 kg)
C	Available Cargo and Luggage Weight	650 lbs (295 kg)

Example 3



Item	Description	Total
A	Vehicle Capacity Weight	1400 lbs (635 kg)
B	Subtract Occupant Weight 172 lbs (78 kg) x 5	860 lbs (390 kg)
C	Available Cargo Weight	540 lbs (245 kg)

Refer to your vehicle's tire and loading information label for specific information about your vehicle's capacity weight and seating positions. The combined weight of the driver, passengers and cargo should never exceed your vehicle's capacity weight.

C190G03JM-AAT

Compliance Label

C190G01A

The compliance label is located on the driver's side of the center pillar outer panel.

The label shows the maximum allowable weight of the fully loaded vehicle. This is called the GVWR (Gross Vehicle Weight Rating). The GVWR includes the weight of the vehicle, all occupants, fuel and cargo.

This label also tells you the maximum weights that can be supported by the front and rear axles, called Gross Axle Weight Rating (GAWR). To find out the actual loads on your front and rear axles, you need to go to a weigh station and weigh your vehicle. Your dealer can help you with this. Be sure to spread out your load equally on the left and right sides of the centerline.

WARNING:

- **Never exceed the GVWR for your vehicle, the GAWR for either the front or rear axle and vehicle capacity weight. Exceeding these ratings can cause an accident or vehicle damage. You can calculate the weight of your load by weighing the items (or people) before putting them in the vehicle. Be careful not to overload your vehicle.**

WARNING:

- **Do not load your vehicle any heavier than the GVWR, either the maximum front or rear GAWR and vehicle capacity weight. If you do, parts, including tires on your vehicle can break, and it can change the way your vehicle handles and braking ability. This could cause you to lose control and crash. Also, overloading can shorten the life of your vehicle.**

WARNING:

- **Overloading your vehicle can cause heat buildup in your vehicle's tires and possible tire failure that could lead to a crash.**
- **Overloading your vehicle can cause increased stopping distances that could lead to a crash.**
- **A crash resulting from poor handling vehicle damage, tire failure, or increased stopping distances could result in serious injury or death.**

NOTE:

- **Overloading your vehicle may cause damage. Repairs would not be covered by your warranty. Do not overload your vehicle.**
- **Using heavier suspension components to get added durability might not change your weight ratings. Ask your dealer to help you load your vehicle the right way.**

The label will help you decide how much cargo and installed equipment your vehicle can carry.

If you carry items inside your vehicle – like suitcases, tools, packages, or anything else – they move as fast as the vehicle goes. If you have to stop or turn quickly, or if there is a crash, the items will keep going and can cause an injury if they strike the driver or a passenger.

WARNING:

Items you carry inside your vehicle can strike and injure people in a sudden stop or turn, or in a crash.

- **Put things in the cargo area of your vehicle. Try to spread the weight evenly.**
- **Never stack items, like suitcases, inside the vehicle above the tops of the seats.**
- **Do not leave an unsecured child restraint in your vehicle.**
- **When you carry something inside the vehicle, secure it.**
- **Do not drive with a seat folded down unless necessary.**

WHAT TO DO IN AN EMERGENCY

If the Engine Will Not Start 3-2
Jump Starting 3-3
If the Engine Overheats 3-4
Tire Pressure Monitoring System (TPMS) 3-5
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Changing a Flat Tire 3-11
If Your Vehicle Must Be Towed 3-16
Emergency Towing 3-17
If You Lose Your Keys 3-18

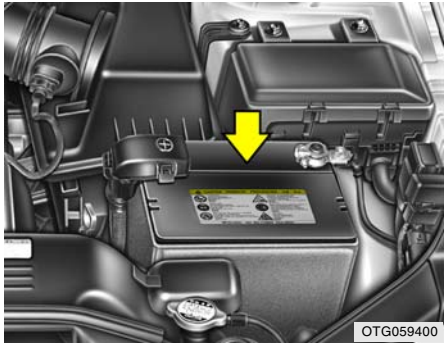
IF THE ENGINE WILL NOT START

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".

D010C02Y-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, coil and spark plugs. Reconnect any that may be disconnected or loose.
3. Check the fuel line in the engine compartment.
4. If the engine still does not 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.

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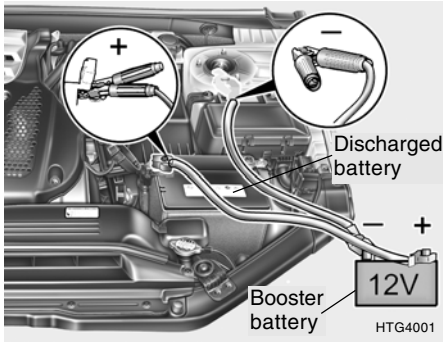
If the Engine Stalls at a Crossroad or Crossing

If the engine stalls at a crossroad or crossing, set the shift lever in the N(Neutral) position and then push the vehicle to a safe place.

JUMP STARTING

D020A03A-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 acces-sories in both vehicles.
3. Attach the clamps of the jumper cable in the exact location shown on 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 of the vehicle with the discharged battery 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, 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 coolant has stopped running or the steaming has stopped. If there is no visible loss of engine coolant and no steam, leave the engine running and check to be sure the engine cooling fan is operating. If the fan is not running, turn the engine off.
4. Check to see if the water pump drive belt is missing. If it is not missing, check to see that it is tight. If the drive belt seems to be satisfactory, check for coolant leaking from the radiator, hoses or under the car. (If the air conditioning had been in use, it is normal for cold water to be draining from it when you stop).

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

5. If the water pump drive belt is broken or engine 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.

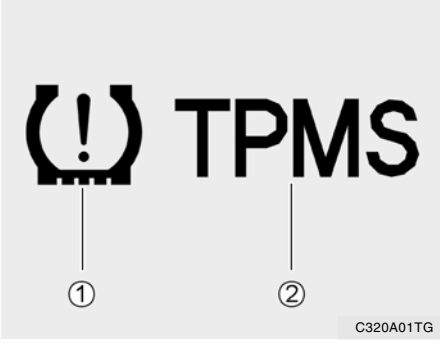
6. If you cannot find the cause of the overheating, wait until the engine temperature has returned to normal. Then, if coolant has been lost, carefully add coolant to the reservoir (page 6-7) to bring the fluid level in the reservoir up to the halfway mark.
7. Proceed with caution, keeping alert for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

TIRE PRESSURE MONITORING SYSTEM (TPMS)

C320A01TG-AAT

(If Installed)



① Low Tire Pressure Telltale
② TPMS Malfunction Indicator

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a Tire Pressure Monitoring System (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is provided by a separate telltale, which displays the symbol "TPMS" when illuminated. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction indicator after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

Low Tire Pressure Telltale

When the tire pressure monitoring system warning telltale is illuminated, one or more of your tires is significantly under-inflated.
Immediately reduce your speed, avoid hard cornering and anticipate increased stopping distances. You should stop and check your tires as soon as possible. Inflate the tires to the proper pressure as indicated on the vehicle's placard or tire inflation pressure label located on the driver's side center pillar outer panel. If you cannot reach a service station or if the tire cannot hold the newly added air, replace the low pressure tire with the temporary spare tire. Then the TPMS malfunction indicator may turn on and the Low Tire Pressure telltale still turn on after restarting and about 20 minutes of continuous driving before you have the low-pressure tire repaired and replaced on the vehicle.

CAUTION:
In winter or cold weather, the low tire pressure telltale may be illuminated if the tire pressure was adjusted to the recommended tire inflation pressure in warm weather. It does not mean your TPMS is malfunctioning because the decreased temperature leads to a proportional lowering of tire pressure.
When you drive your vehicle from a warm area to a cold area or from a cold area to a warm area, or the outside temperature is greatly higher or lower, you should check the tire inflation pressure and adjust the tires to the recommended tire inflation pressure.

WARNING:
Significantly low tire pressure makes the vehicle unstable and can contribute to loss of vehicle control and increased braking distances.
Continued driving on low pressure tires will cause the tires to overheat and fail.

TPMS (Tire Pressure Monitoring System) Malfunction Indicator

The TPMS malfunction indicator comes on and stays on when there is a problem with the Tire Pressure Monitoring System. If the system is able to correctly detect an under-inflation warning at the same time as system failure then it will illuminate both the TPMS malfunction and the low tire pressure telltale e.g. if Front Left sensor fails, the TPMS malfunction indicator comes on, but if Front Right, Rear Left, or Rear Right tire is under-inflated, the low tire pressure telltale may come on with the TPMS malfunction indicator.

Have the system checked by an authorized Hyundai dealer as soon as possible to determine the cause of the problem.

NOTE:

- **The TPMS malfunction indicator may be illuminated if the vehicle is moving around electric power supply cables or radio transmitters such as police stations, government and public offices, broadcasting stations, military installations, airports, or transmitting towers, etc. which can interfere with normal operation of the Tire Pressure Monitoring System (TPMS).**
- **The TPMS malfunction indicator may be illuminated if snow chains or some electronic devices, such as notebook computers, are used in the vehicle. This can interfere with normal operation of the Tire Pressure Monitoring System (TPMS).**

Changing a tire with TPMS

If you have a flat tire, the Low Tire Pressure telltale will turn on. Have the flat tire repaired by an authorized Hyundai dealer as soon as possible or replace the flat tire with the temporary spare tire.

NOTE:
NEVER use a puncture-repairing agent to repair and/or inflate a low pressure tire. If used, you will have to replace the tire pressure sensor.

Each wheel is equipped with a tire pressure sensor mounted inside the tire behind the valve stem. You must use TPMS specific wheels. It is recommended that you always have your tires serviced by an authorized Hyundai dealer as soon as possible.
After you replace the low pressure tire with the temporary spare tire, the TPMS malfunction indicator may illuminate and the low tire pressure telltale still illuminate after restarting and about 20 minutes of continuous driving.

Once the low pressure tire is re-inflated to the recommended pressure and installed on the vehicle, the TPMS malfunction indicator and the low tire pressure telltale will be extinguished. If the low pressure and TPMS malfunction indicators are not extinguished after about 20 minutes of continuous driving, please visit an authorized Hyundai dealer.
You may not be able to identify a low tire by simply looking at it. Always use a good quality tire pressure gauge to measure the tire's inflation pressure. Please note that a tire that is hot (from being driven) will have a higher pressure measurement than a tire that is cold (from sitting stationary for at least 3 hours and driven less than 1 mile during that 3 hour period). Allow the tire to cool before measuring the inflation pressure.
Always be sure the tire is cold before inflating to the recommended pressure. A cold tire means the vehicle has been sitting for 3 hours and driven for less than 1 mile in that 3 hour period.

CAUTION:

- **Do not use any tire sealant if your vehicle is equipped with a Tire Pressure Monitoring System. The liquid sealant can damage the tire pressure sensors.**
- **In order for the system to correctly monitor tires for under-inflation, there should be a total of exactly 4 sensors fitted to each of the four driven wheel positions. There should be no other sensors in the vehicle including spare tire since this could cause the system to monitor the wrong sensors.**

WARNING - TPMS

- **The TPMS cannot alert you to severe and sudden tire damage caused by external factors such as nails or road debris.**
- **If you feel any vehicle instability, immediately take your foot off the accelerator, apply the brakes gradually and with light force, and slowly move to a safe position off the road.**

WARNING:

Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may interfere with the system's ability to warn the driver of low tire pressure conditions and/or TPMS malfunctions. Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may void the warranty for that portion of the vehicle.

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

WARNING:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SPARE TIRE

D040A03GK-AAT

TEMPORARY SPARE TIRE

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

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

Spare Tire Pressure

Tire Size	T125/80D16
Inflation Pressure	420 kPa(60 psi)

2. The spare tire should only be used temporarily and should be returned to the luggage compartment as soon as the original tire can be repaired or replaced.
3. Continuous use at speeds of over 50 mph (80 km/h) is not recommended.
4. As the temporary spare tire is specifically designed for your car, it should not be used on any other vehicle.
5. The temporary spare tire should not be used on any other wheels, nor should standard tires, snow tires, wheel covers or trim rings be used with the temporary spare wheel. If such use is attempted, damage to these items or other car components may occur.
6. The temporary spare tire pressure should be checked once a month while the tire is stored.

CAUTION:

- **Do not use snow chains with your temporary spare tire.**
- **Do not use more than one temporary spare tire at a time.**
- **Do not tow a trailer while the temporary spare tire is installed.**

WARNING:

The temporary spare tire is for emergency use only. Do not operate your vehicle on this temporary spare at speeds over 50 mph (80 km/h). The original tire should be repaired or replaced as soon as is possible to avoid failure of the spare possibly leading to personal injury or death.

D040A01TG-AAT

FULL SIZE SPARE TIRE (If Installed)

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

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

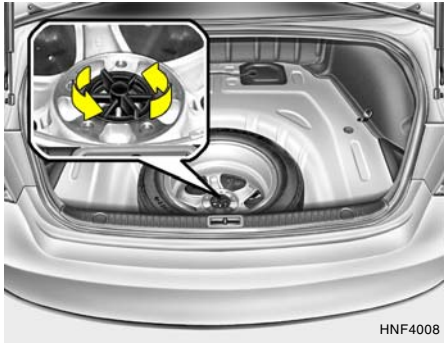
Spare Tire Pressure

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.



4. Turn the installation bolt counter-clockwise 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.

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:

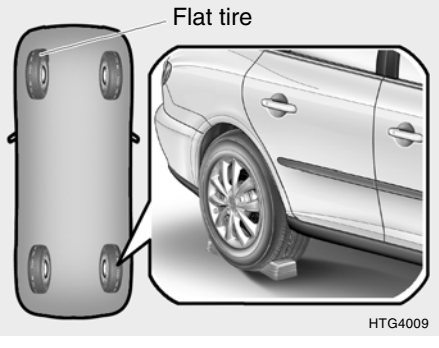
D060B01NF-GAT

1. Obtain Spare Tire and Tool

Take out the tool receptacle and turn the installation bolt counterclockwise to remove 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.

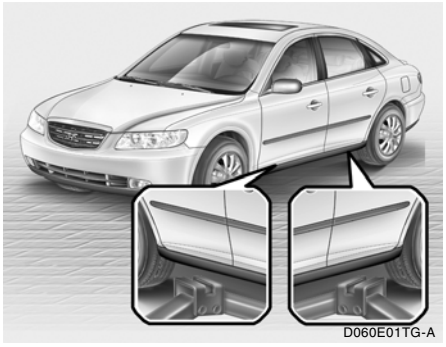
D060D01A-AAT

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

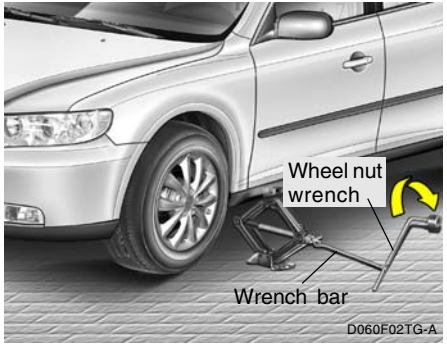
4. Put the Jack in Place



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.

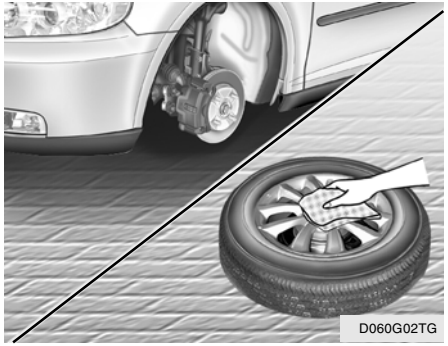
WARNING:
Do not get under the car when it is supported by the jack! This is very dangerous as the vehicle could fall and cause serious injury or death. No one should stay in the car while the jack is being used.

D060G02Y-AAT

6. Changing Wheels

D060G01TG-A

Loosen the wheel nuts and remove them with your fingers. Slide the wheel off the studs and lay it flat so it cannot roll away. To put the wheel on the hub, pick up the spare tire, line up the holes with the studs and slide the wheel onto them. If this is difficult, tip the wheel slightly and get the top hole in the wheel lined up with the top stud. Then jiggle the wheel back and forth until the wheel can be slid over the other studs.


D060G02TG

WARNING:
Wheels and wheel covers may have sharp edges. Handle them carefully to avoid possible severe injury. Before putting the wheel into place, be sure that there is nothing on the hub or wheel (such as mud, tar, gravel, etc.) that interferes with the wheel from fitting solidly against the hub.

WARNING:
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

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-AAT

8. Lower Vehicle and Tighten Nuts

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

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

Wheel nut tightening torque:
65-80 lb.ft (900-1,100 kg.cm)

D060J02O-AAT

After Changing Wheels

If you have a tire gauge, remove the valve cap and check the air pressure. If the pressure is lower than recommended, drive slowly to the nearest service station and inflate to the correct pressure. If it is too high, adjust it until it is correct.

Always reinstall the valve cap after checking or adjusting tire pressure. If the cap is not replaced, air may leak from the tire. If you lose a valve cap, buy another and install it as soon as possible.
After you have changed wheels, always secure the flat tire in its place and return the jack and tools to their proper storage locations.

IF YOUR VEHICLE MUST BE TOWED

D080A01O-GAT

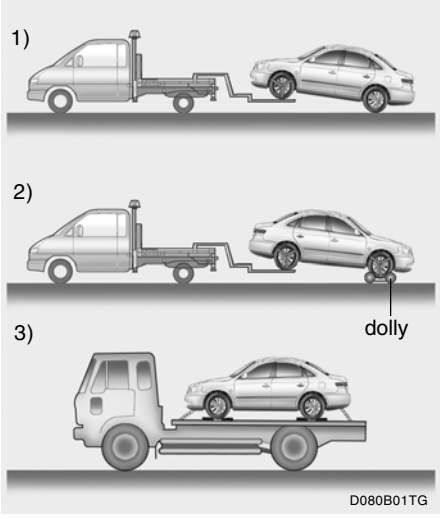
If your vehicle has to be towed, it should be done by your Hyundai dealer or a commercial tow truck service. This will help assure that your vehicle is not damaged in towing. Also, professionals are generally aware of local laws governing towing. In any case, rather than risk damage to your car, it is 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

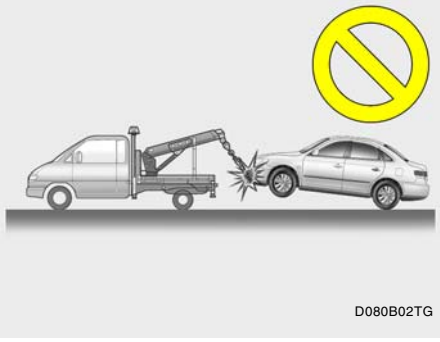
Towing the Vehicle



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.**



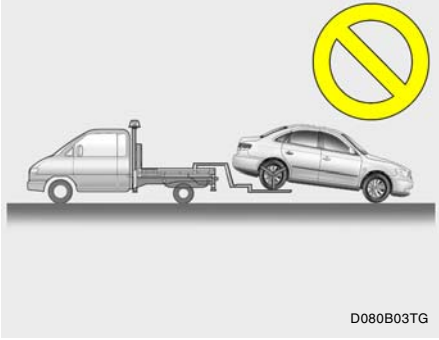
- **Do not tow with sling type truck as this may cause damage to the bumper or underbody of the vehicle.**

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:

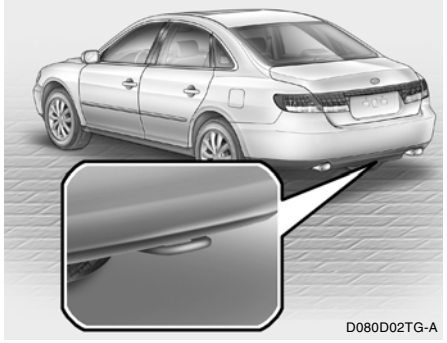


A vehicle with an automatic transaxle should never be towed from the rear with the front wheels on the ground. This can cause serious damage to the transaxle. Be sure to use a towing dolly under the front wheels.

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

D080D04A-AAT

EMERGENCY TOWING



For emergency towing when no commercial tow vehicle is available, attach a tow cable, chain or strap to the towing hook 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 30 mph (50 km/h) and for more than 15 miles (25 km). 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

D120A02A-AAT

Information about the key of immobilizer system can be found on page 1-3.

CORROSION PREVENTION & APPEARANCE CARE

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

CORROSION PROTECTION

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 cooperation and assistance is also required.

E010B01A-AAT

Common Causes of Corrosion

The most common causes of corrosion on your car are:

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

E010C01A-AAT

High-Corrosion Areas

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

E010D01A-AAT

Moisture Breeds Corrosion

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

Mud is 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.

WASHING AND WAXING

E020D02A-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.

Bird droppings : Bird droppings are highly corrosive and may damage painted surfaces in just a few hours. Always remove bird droppings as soon as possible.

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.

E030A02A-AAT

Washing Your Hyundai

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

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

Use a clean sponge or cloth, rinse it frequently and don't damage the finish by rubbing too hard. For stubborn spots, dampen them frequently and remove them a little at a time.
To clean whitewall tires, use a stiff brush or soapy steel-wool scouring pad.

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

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

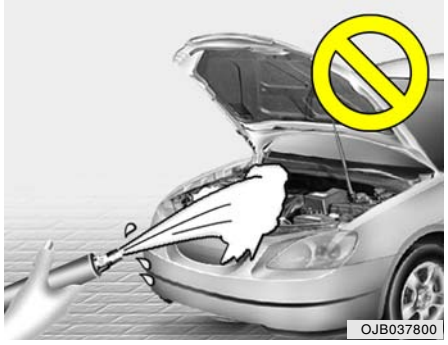
After washing, be sure to rinse thoroughly. If soapy water dries on the finish, streaking will result.

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

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

If you find any nicks or scratches in the paint, use touch-up paint to cover them to prevent corrosion. To protect the paintwork of the car against corrosion, you must clean your Hyundai (at least once a month). Give special attention
to the removal of salt, mud and other substances on the underside of the splashboards of the car. Make sure that the outlets and the underside of the doors are open. Paint damage can be caused by small accumulation of tar, industrial precipitation, tree resin, insects and bird droppings, when not removed immediately. If water alone is not strong enough to remove the accumulated dirt, use a mild car washing solution. Be sure to rinse the surface after washing to remove the solution. Never allow the solution to dry on the painted surfaces.

CAUTION:



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

E030B01A-AAT

Spot Cleaning

Don't use gasoline, strong solvents or corrosive cleaning agents. These can damage the finish of the car. To remove road tar, use turpentine on a clean, soft cloth. 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.

CLEANING THE INTERIOR

E030E01A-AAT

Maintaining Bumpers

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

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

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.

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
California Perchlorate Notice 5-10

MAINTENANCE INTERVALS

F010A01A-AAT

Service Requirements

To ensure that you receive the greatest number of miles 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 Owner's Handbook 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-AAT

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 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 Owner's Handbook provides further information about your warranty coverage.

F010D02A-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-AAT

A Few Tips

- o 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.
- o If you choose to do your own maintenance and repairs, you may find it helpful to have an official Hyundai Shop Manual. A copy of this publication may be purchased at your Hyundai dealer's parts department.

F020A02Y-AAT

- o Inspection should be performed any time a malfunction is experienced or suspected.
- o Receipts for all emission control system services should be retained to demonstrate compliance with conditions of the emissions system warranty.
- o After 120 months or 150,000 miles (240,000 km), continue to follow the prescribed maintenance intervals.
- o For severe usage maintenance requirements, see page 5-6 of this section.

SCHEDULED MAINTENANCE

F030A01A-AAT

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

F030B03TG-AAT

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

No.	DESCRIPTION	MILES X 1000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5	120	127.5	135	142.5	150
		KILOMETERS X 1000	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
		MONTHS	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	EMISSION CONTROL ITEMS																					
1	ENGINE OIL AND FILTER		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2	FUEL FILTER						R					R					R					R
3	FUEL LINES, FUEL HOSES AND CONNECTIONS		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
4	VACUUM HOSE		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
5	CRANKCASE VENTILATION HOSE					I				I				I				I				I
6	VAPOR HOSE AND FUEL FILLER CAP		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
7	AIR CLEANER FILTER		I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R
8	SPARK PLUGS (IRIDIUM COATED)														R							
9	VALVE CLEARANCE	See Note *1								I								I				
10	FUEL TANK AIR FILTER			I		R		I		R		I		R		I		R		I		R
11	ELECTRONIC THROTTLE CONTROL			I		I		I		I		I		I		I		I		I		I

Note:

*1. INSPECT FOR EXCESSIVE TAPPET NOISE AND/OR ENGINE VIBRATION AND ADJUST IF NECESSARY.

F030C02TG-AAT

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

No.	DESCRIPTION	MILES X 1000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5	120	127.5	135	142.5	150
		KILOMETERS X 1000	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
		MONTHS	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
	GENERAL ITEMS																					
1	DRIVE BELT (AUTO-TENSIONER, ALT, P/STR'G, A/CON, W/PUMP)					I				I				I				I				I
2	COOLANT		See Note *1																			
3	AUTOMATIC TRANSAXLE FLUID		Inspect every 37,500 miles or 48 months																			
4	BRAKE FLUID					I				I				I				I				I
5	BRAKE HOSES AND LINES			I		I		I		I		I		I		I		I		I		I
6	REAR DISC BRAKE/LININGS, PARKING BRAKE					I				I				I				I				I
7	BRAKE PADS, CALIPERS AND ROTORS			I		I		I		I		I		I		I		I		I		I
8	EXHAUST PIPE AND MUFFLER			I		I		I		I		I		I		I		I		I		I
9	SUSPENSION MOUNTING BOLTS		I	I	I	I	I	I	I	I	I	I	I	I	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	I	I	I	I	I	I	I	I	I	I	I	I
11	POWER STEERING PUMP, BELT AND HOSES			I		I		I		I		I		I		I		I		I		I
12	DRIVE SHAFTS AND BOOTS			I		I		I		I		I		I		I		I		I		I
13	AIR CONDITIONING REFRIGERANT			I		I		I		I		I		I		I		I		I		I
14	CLIMATE CONTROL AIR FILTER		See Note *2																			

Note:

*1. FOR THE FIRST TIME, REPLACE THE COOLANT AT 60,000 MILES (96,000 KM) OR 60 MONTHS. AFTER THAT, REPLACE IT EVERY 30,000 MILES (48,000 KM) OR 24 MONTHS.

*2. FOR EVERY 12 MONTHS OR 10,000 MILES (15,000 KM), WHICHEVER OCCURS FIRST : "R"

MAINTENANCE UNDER SEVERE USAGE CONDITIONS

F040A03TG-AAT

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 3,000 MILES (4,800 KM) OR 3 MONTHS	A, B, C, D, E, F, G, H, I, K
AIR CLEANER FILTER	R	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 7,500 MILES (12,000 KM) OR 6 MONTHS	C, D, E, F, H
AUTOMATIC TRANSAXLE FLUID	R	EVERY 60,000 MILES (96,000 KM)	A, C, E, F, G, H, I
CLIMATE CONTROL AIR FILTER	R	MORE FREQUENTLY	C, E

SEVERE DRIVING CONDITIONS

A - Repeatedly driving short distance of less than 5miles (8km) in normal temperature or less than 10miles (16km) 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 90°F (32°C)
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 100 MPH (170 Km/h)
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.

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.

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.

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.

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.

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.

F060H01A-AAT

o Air Cleaner Filter

A Genuine Hyundai air cleaner filter is recommended when the 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.

F070C01A-AAT

o Coolant

The coolant should be changed at the intervals specified in the maintenance schedule.

F070E06A-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 meeting the SP III specification approved by Hyundai Motor Co. when adding or changing fluid. Using the wrong ATF may result in damage to the ATM.

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.

CALIFORNIA PERCHLORATE NOTICE

F080A01NF-AAT

Perchlorate Material-special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Notice to California Vehicle Dismantlers: Perchlorate containing materials, such as airbag inflators, seatbelt pretensioners and keyless remote entry batteries, must be disposed of according to Title 22 California Code of Regulations Section 67384.10 (a).

DO-IT-YOURSELF MAINTENANCE

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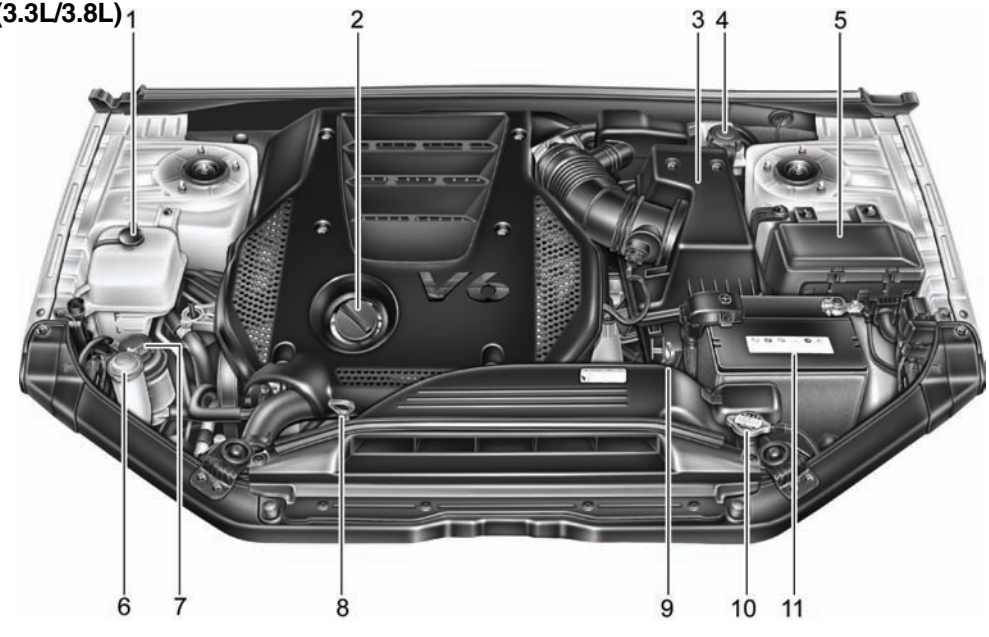
ENGINE COMPARTMENT

G010A01TG-AAT

(3.3L/3.8L)



HTG5002

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.

1. Coolant reservoir cap 6-7
2. Engine oil filler cap 6-5
3. Air cleaner 6-8
4. Brake fluid reservoir 6-15
5. Fuse and relay box 6-18
6. Windshield washer fluid reservoir 6-12
7. Power steering fluid reservoir .. 6-23
8. Engine oil level dipstick 6-5
9. Automatic transaxle oil level dipstick 6-13
10. Radiator cap 6-6
11. Battery 6-21

GENERAL CHECKS

G020A01NF-AAT

Engine Compartment

The following should be checked regularly:

- o Engine oil level and condition
- o Transaxle fluid level and condition
- o Brake fluid level
- o Engine coolant level
- o Windshield washer fluid level
- o Accessory drive belt condition
- o Engine coolant hose condition
- o Fluid leaks (on or below components)
- o Power steering fluid level
- o Battery condition
- o Air cleaner filter condition
- o Engine vibration

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 correctly, inspect it carefully and seek assistance from your Hyundai dealer if service is needed.

MAINTENANCE PRECAUTIONS

G020D01TG-GAT

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

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

WARNING:

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

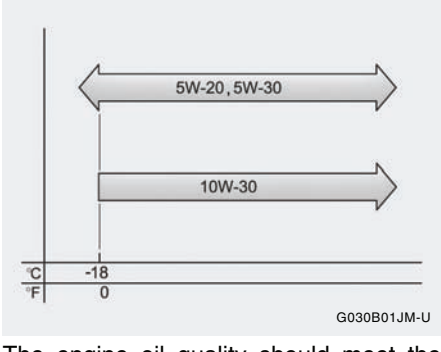
CHECKING THE ENGINE OIL

G030A01A-AAT

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.

G030B01O-AAT

Recommended Oil



The engine oil quality should meet the following classification.

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

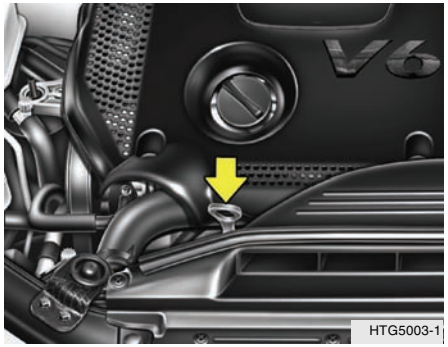
* If the API service SM engine oil is not available in your country, you are able to use API service SL.

NOTE:

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

G030C01JM-AAT

To Check the Oil Level



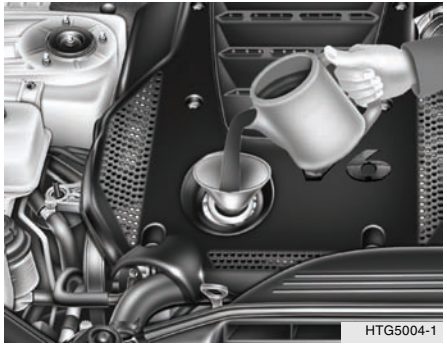
Before checking the oil, warm up the engine to the normal operating temperature and be sure your car is parked on level ground. Turn the engine off.

Wait 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.

G030D03TG-AAT

Adding Oil



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 quart of oil.

CAUTION:
Slowly pour the recommended oil into a funnel. Do not overfill to avoid damage to the engine.

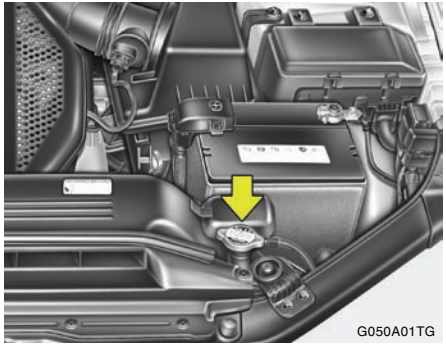
WARNING:
Be very careful not to touch the radiator hose when adding the engine oil as it may be hot enough to burn you.

NOTE:
- **It is recommended that the engine oil and filter should be changed by an authorized Hyundai dealer.**
- **Always dispose of used engine oil in an environmentally acceptable manner. It is suggested that it be placed in a sealed container and taken to a service station for reclamation. Do not pour the oil on the ground or put it into the household trash.**

PROPOSITION 65 WARNING:
Engine oil contains chemicals known to the State of California to cause cancer, birth defects and reproductive harm. Used engine oil may cause irritation or cancer of the skin if left in contact with the skin for prolonged periods of time. Always protect your skin by washing your hands thoroughly with soap and warm water as soon as possible after handling used oil.

CHECKING AND CHANGING THE ENGINE COOLANT

G050A01TG-AAT



WARNING:
Do not remove the radiator cap when the engine is hot. When the engine is hot, the engine coolant is under pressure and may erupt through the opening if the cap is removed. You could be seriously burned if you do not observe this precaution. Do not remove the radiator cap until the radiator is cool to the touch.

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

G050B01A-AAT

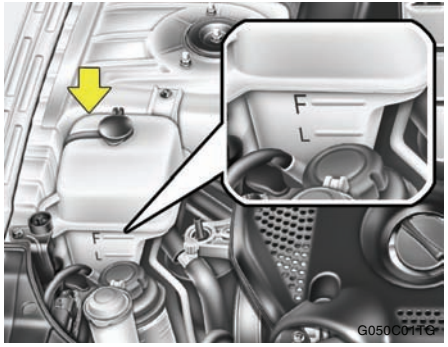
Recommended Engine Coolant

Use a high quality ethylene-glycol coolant in a 50/50 mix with water. The engine coolant should be compatible with aluminum engine parts. Additional corrosion inhibitors or additives should not be used. The cooling system must be maintained with the correct concentration and type of engine coolant to prevent freezing and corrosion. Never allow the concentration of antifreeze to exceed the 60% level or go below the 35% level, or damage to the cooling system may result. For proper concentration when adding or replacing the engine coolant, refer to the following table.

Ambient temperature °F (°C)	Engine Coolant concentration	
	Antifreeze solution	Water
5 (-15)	35%	65%
-13 (-25)	40%	60%
-31 (-35)	50%	50%
-49 (-45)	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:

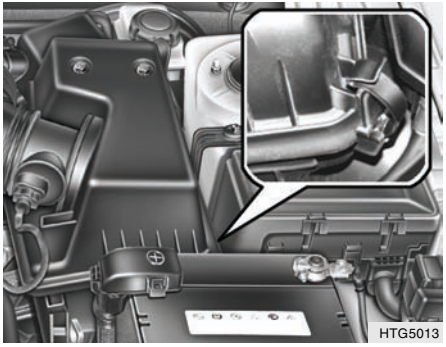
- **Engine coolant can damage the finish of your car. If you spill engine coolant on the car, wash it off thoroughly with clean water.**
- **The engine in your vehicle has aluminum engine parts and must be protected by an ethylene-glycol base coolant to prevent corrosion and freezing.**
  Do not use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

WARNING:

The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the coolant fan so that you are not injured by a rotating fan blade. As the engine coolant temperature decreases, the fan will automatically shut off. This is a normal condition.

CHANGING THE AIR CLEANER FILTER

G070A03Y-AAT



The replacement of 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.**

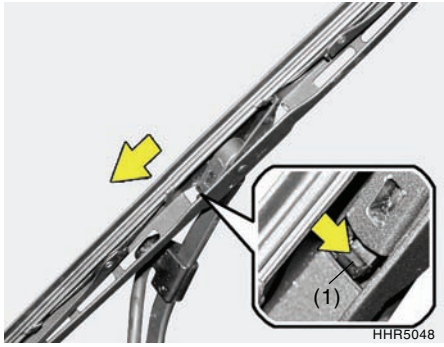
G080B01TG-GAT

REPLACING THE WINDSHIELD WIPER BLADES

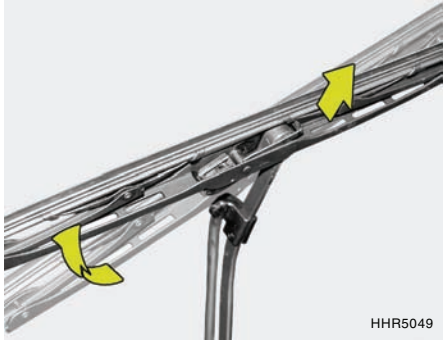
Replacing driver's side windshield wiper blade

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.

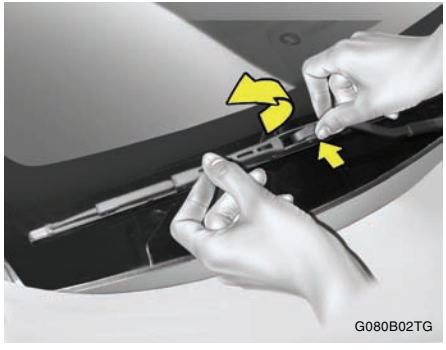
2. Pull up the wiper blade until you hear an audible "click" to engage in the end of the wiper arm.

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.

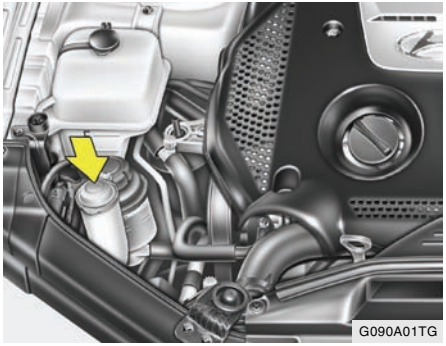
Alternatively, you can replace the windshield wiper blade as follows.

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.

NOTE:
Remove any dirt or ice on the windshield before turning on the wipers. Damage to the wiper blade rubber and windshield could occur.

FILLING THE WASHER RESERVOIR

G090A02NF-AAT



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 3.2 U.S. quarts (4.0 liters).

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 in 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.

G110B05A-AAT

Recommended Fluid

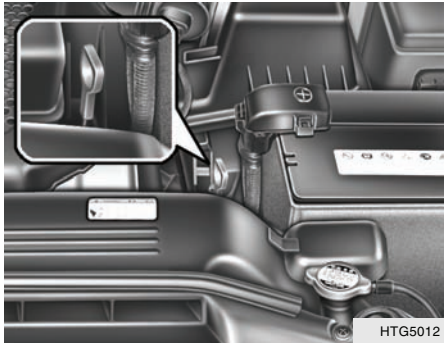
Your Hyundai automatic transaxle is specially designed to operate with HYUNDAI GENUINE ATF SP III, DIAMOND ATF SP III, SK ATF SP III or other brands meeting the SP III specification approved by Hyundai Motor Co.. Damage caused by a nonspecified fluid is not covered by your new vehicle limited warranty.

CAUTION:
Use of aftermarket ATF additives may cause damage to the automatic transaxle.
Only use HYUNDAI GENUINE ATF SP III, DIAMOND ATF SP III, SK ATF SP III or other brands meeting the SP III specification approved by Hyundai Motor Co..
If you are having your vehicle serviced at a facility other than a Hyundai dealer, verify that the correct ATF is used for your vehicle.

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.

G110D03L-AAT

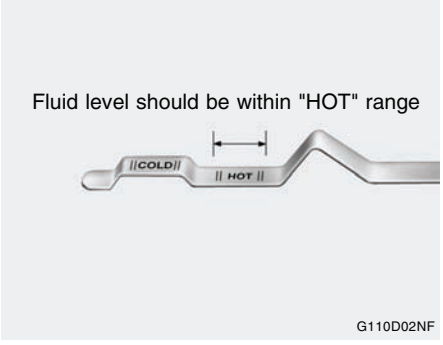
Checking the automatic transaxle fluid level



The automatic transaxle fluid level should be checked regularly.

Keep the vehicle on the level ground with the parking brake applied and check the fluid level according to the following procedure.

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



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

WARNING:
The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the cooling fan so that you are not injured by a rotating fan blade. As the engine coolant temperature decreases, the fan will automatically shut off. This is a normal condition.

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.

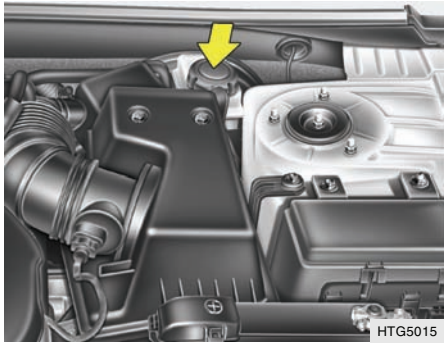
G120D01A-AAT

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 a fast idle for several minutes with the air conditioning set at the maximum cold setting.
2. If the air coming out of the in-dash vents is not cold, have the air conditioning system inspected by your Hyundai dealer.

CAUTION:
Running the air conditioning system for extended periods of time with a low refrigerant level may damage the compressor.

G140C01A-AAT

Lubrication

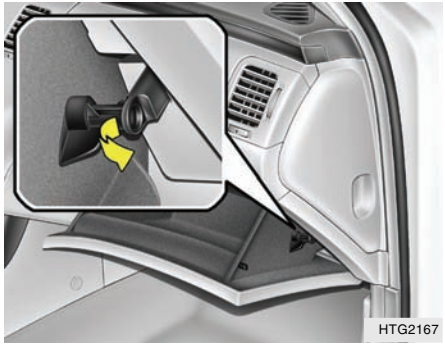
To lubricate the compressor and the seals in the system, the air conditioning should be run for at least 10 minutes each week. This is particularly important during cool weather when the air conditioning system is not otherwise in use.

CHANGING THE CLIMATE CONTROL AIR FILTER

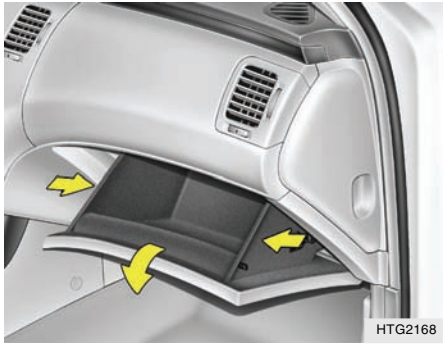
B145A01TG-AAT

(For Evaporator and Blower Unit)

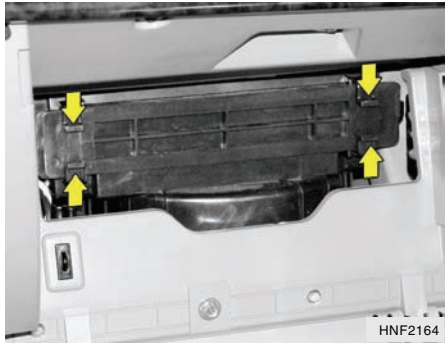
The climate control air filter is located in the upper portion of the blower fan.
It helps to decrease the amount of pollutants entering the car.



1. Open the glove box.
2. Pull the glove box cylinder to unlock the glove box retainer.

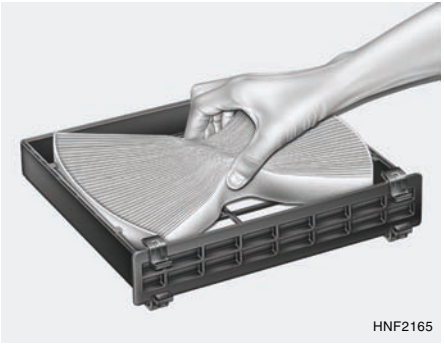


3. Lower the glove box down completely by pushing both sides of the glove box inward.



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

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



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

CAUTION:
To prevent pollutants from entering the car, be sure to properly install the climate control air filter.

CHECKING PARKING BRAKE PEDAL

G185A01TG-GAT

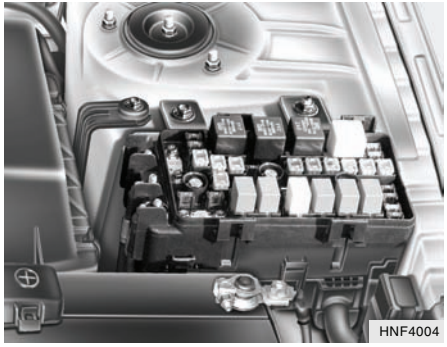
The parking brake pedal should be checked periodically for proper stroke. If you feel loose in the parking brake pedal when the parking brake is engaged, have your parking brake adjusted by an authorized Hyundai dealer.

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

CHECKING AND REPLACING FUSES

G200A01A-AAT

Replacing a Fusible Link

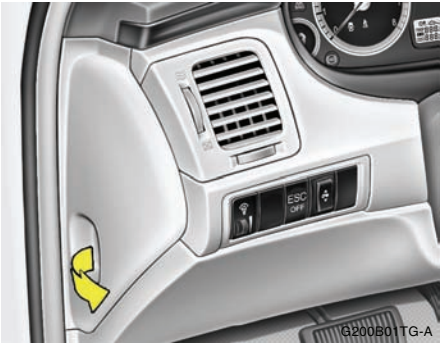


A fusible link will melt if the electrical circuits from the battery are ever overloaded, thus preventing damage to the entire wiring harness. (This could be caused by a short in the system drawing too much current.) If this ever happens, have a Hyundai dealer determine the cause, repair the system and replace the fusible link. The fusible links are located in a relay box in the engine compartment 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.

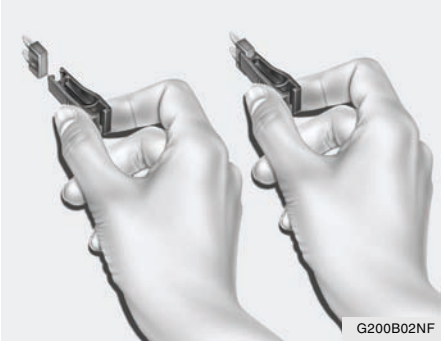
G200B01NF-AAT

Replacing Accessory Fuse

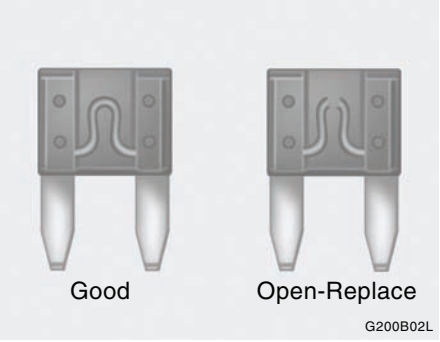


The fuse box for the lights and other electrical accessories will be found on the left side of the instrument panel. Inside the box you will find a list showing the circuits protected by each fuse.
If any of your car's lights or other electrical accessories stop working, a blown (open) fuse could be the reason. If the fuse has opened, you will see that the metal strip inside the fuse has melted 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 opened.
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.

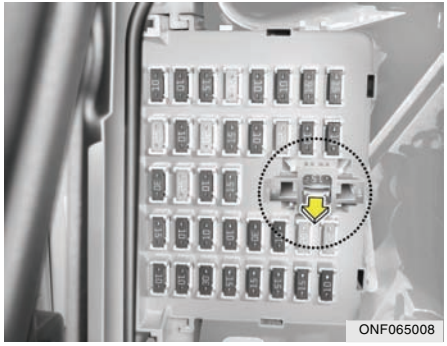


CAUTION:
An open fuse indicates that there is a problem in the electrical circuit. If you replace a fuse and it blows as soon as the accessory is turned on, the problem is serious and should be referred to a Hyundai dealer for diagnosis and repair. Never replace a fuse with anything except a fuse with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

NOTE:
See page 6-33 for the fuse panel descriptions.

G200C01CM-GAT

Power Connector


ONF065008

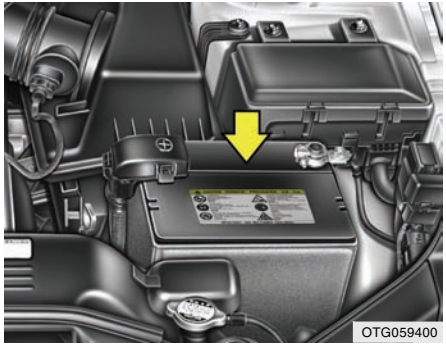
Your vehicle is equipped with a power connector to prevent battery discharge if your vehicle is parked without being operated for prolonged periods. Use the following procedures before parking the vehicle for prolonged periods.

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

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

CHECKING THE BATTERY

G210A01A-AAT



WARNING:
Batteries can be dangerous! When working with batteries, carefully observe the following precautions to avoid serious injuries.

The fluid in the battery contains a strong solution of sulfuric acid, which is poisonous and highly corrosive. Be careful not to spill it on yourself or the car. If you do spill battery fluid on yourself, immediately do the following:

- If battery fluid is on your skin, flush the affected areas with water for at least 15 minutes and then seek medical assistance.
- If battery fluid is in your eyes, rinse out your eyes with water and get medical assistance as soon as possible. While you are being driven to get medical assistance, continue to rinse your eyes by using a sponge or soft cloth saturated with water.
- If you swallow battery fluid, drink a large quantity of water or milk followed by milk of magnesia, eat a raw egg or drink vegetable oil. Get medical assistance as soon as possible.

While batteries are being charged (either by a battery charger or by the vehicle's generator), they produce explosive gases. Always observe these warnings to prevent injuries from occurring:

- Charge batteries only in a well ventilated area.
- Do not permit flames, sparks or smoking in the area.
- Keep children away from the area.

G210B05A-AAT

Checking the Battery

Keep the battery clean. Any evidence of corrosion around the battery posts or terminals should be removed using a solution of household baking soda and warm water. After the battery terminals are dry, cover them with a light coating of grease.

PROPOSITION 65 WARNING:
Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer, birth defects and reproductive harm. Batteries also contain other chemicals known to the State of California to cause cancer. Wash hands after handling.

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.

WARNING:

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.

WARNING:

- 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.

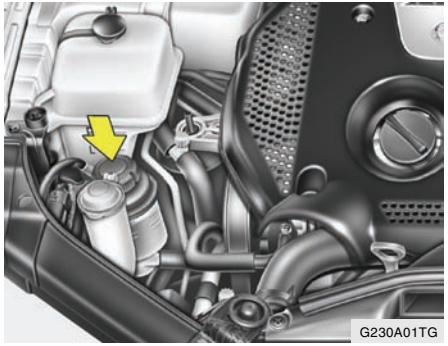
G220B01NF-GAT

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

G230A01TG-AAT



The power steering fluid level should be checked regularly. To check the power steering fluid level, be sure the engine 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 -4°F). 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-4 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 those intervals specified in the vehicle maintenance schedule in Section 5. 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.

FOR MORE INFORMATION ABOUT YOUR HYUNDAI

G250A01A-AAT

If you desire additional information about maintaining and servicing your Hyundai, you may purchase a factory Shop Manual at your Hyundai dealer's parts department. This is the same manual used by dealership technicians and while it is highly technical it can be useful in obtaining a better understanding of your car and how it works.

REPLACEMENT OF LIGHT BULBS

G260A01TG-GAT

Before attempting to replace a light bulb, be sure the switch is turned to the "OFF" position.
The next paragraph shows how to reach the light bulbs so they may be changed. Be sure to replace the burned-out bulb with one of the same number and wattage rating.
See page 6-32 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.**

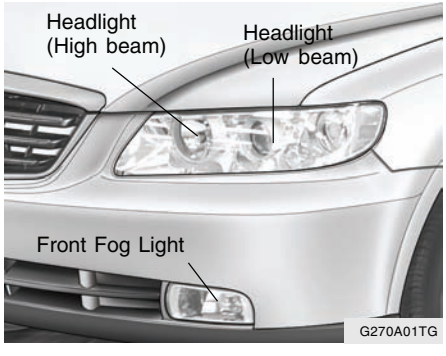
G270A03TG-AAT

HEADLIGHT AND FRONT FOG LIGHT

CAUTION:

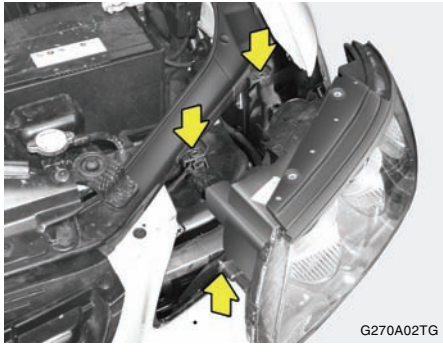
- **The headlight aiming should be checked by an authorized Hyundai dealer after replacing the headlight bulbs.**
- **After heavy, driving rain or washing, headlight and taillight lenses could appear frosty. This condition is caused by the temperature difference between the lamp inside and outside. This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

▶ Headlight

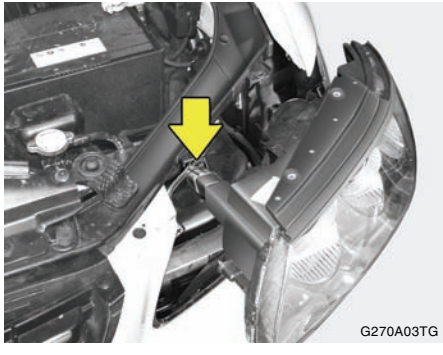


Replacement instructions:

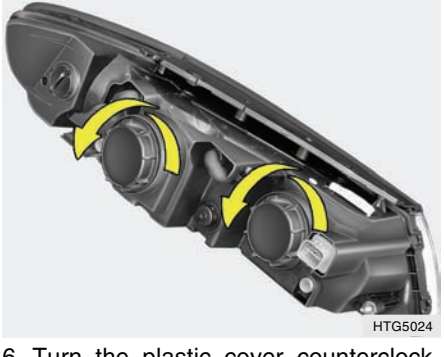
1. Allow the bulb to cool. Wear eye protection.
2. Open the engine hood and disconnect the negative (-) post of the battery.
3. Always grasp the bulb by its plastic base, avoid touching the glass.



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



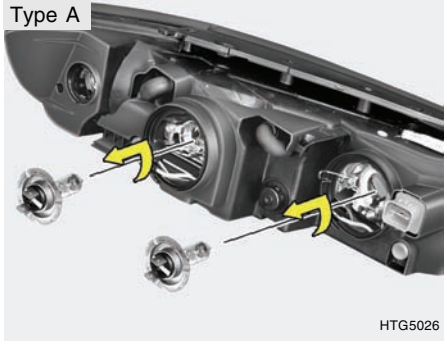
5. Disconnect the power cord from the back of the headlight.



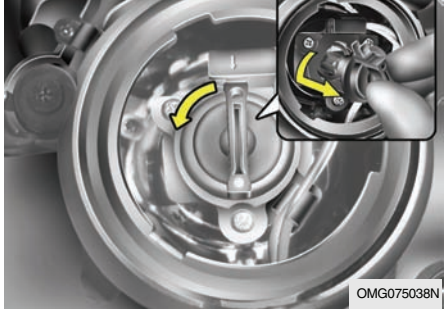
6. Turn the plastic cover counterclockwise and remove it.

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

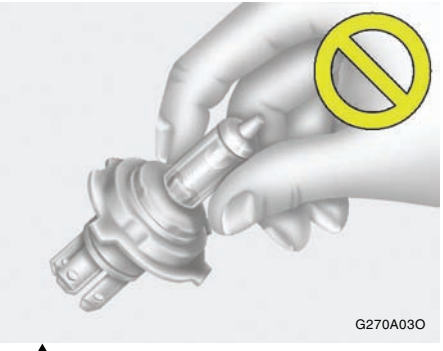
Type A



Type B (Low beam)



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:

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

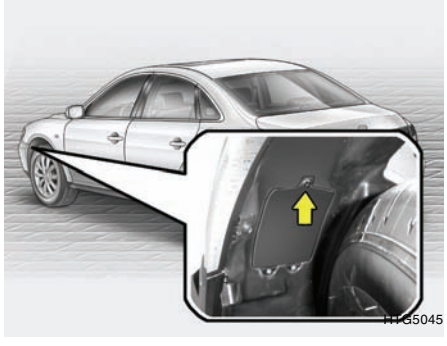
▶ Front Fog Light

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

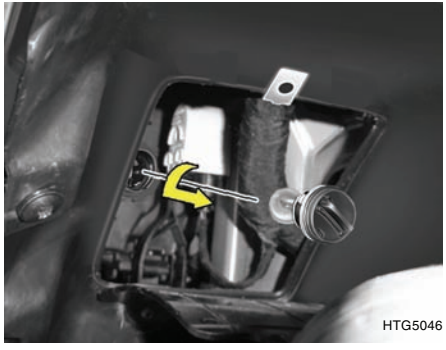
G275A01TG-GAT

FRONT TURN SIGNAL LIGHT

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



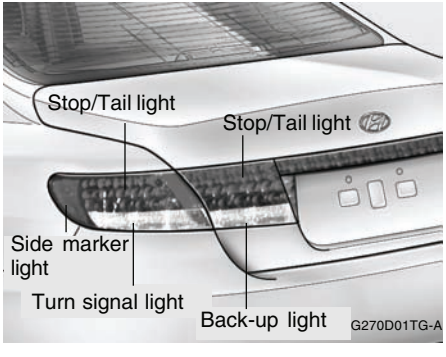
2. Turn the wheel inside until the wheel housing is visible.
3. Remove the mounting screws of the cover with a phillips screwdriver and open the cover.



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

G270D02TG-AAT

REAR COMBINATION LIGHT

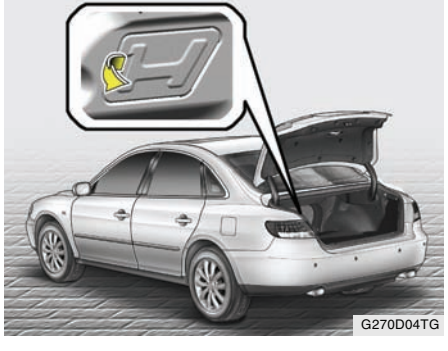


▶ Stop/Tail Light

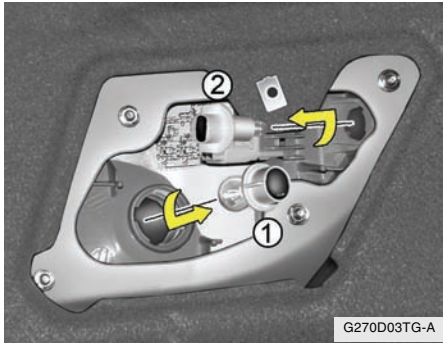
NOTE:
The stop/tail light should be replaced by an authorized Hyundai dealer because the light is LED (Light Emitting Diode) type.

▶ Turn Signal Light/Side Marker Light

1. Open the trunk lid.



2. Remove the service cover by pulling out the cover handle.

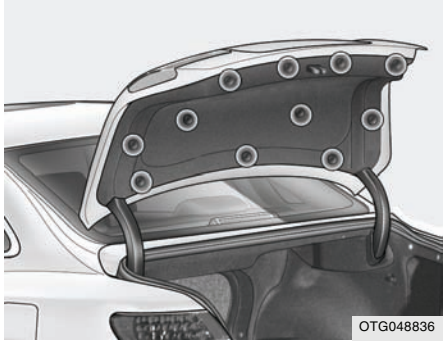


3. To replace the turn signal light and side marker light, remove it from the bulb holder and install the new bulb.

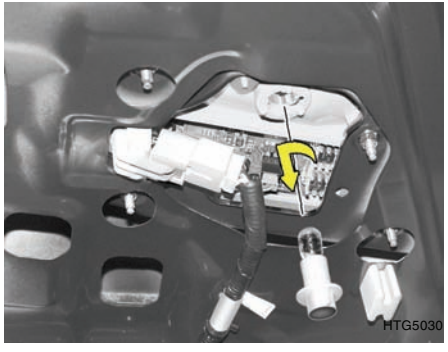
   (1) Turn signal light
   (2) Side marker light

▶ 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.

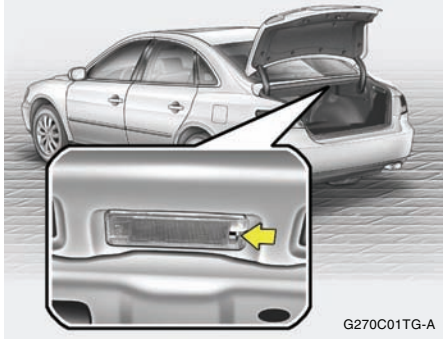


3. To replace the back-up light, remove the socket by turning it counterclockwise.
4. Install the new bulb.

G270C01TG-AAT

LUGGAGE COMPARTMENT LIGHT

1. Open the trunk lid.

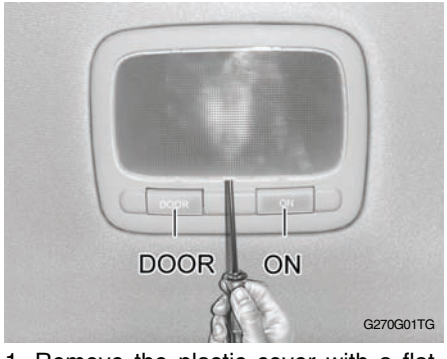


2. Remove the luggage compartment light cover by pushing the knob.

3. Replace with a new bulb.

G270G01L-AAT

INTERIOR LIGHT



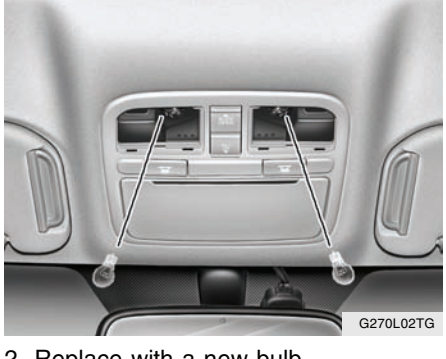
1. Remove the plastic cover with a flat-head screwdriver.

2. Replace with a new bulb.

G270L01L-AAT

MAP LIGHT

1. Remove the plastic cover with a flat-head screwdriver.

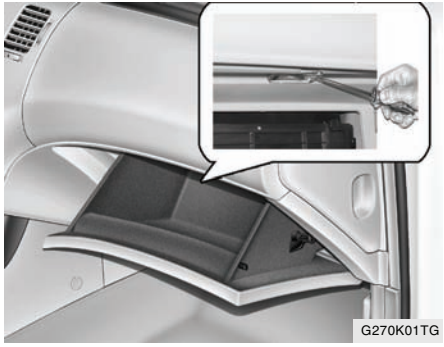


2. Replace with a new bulb.

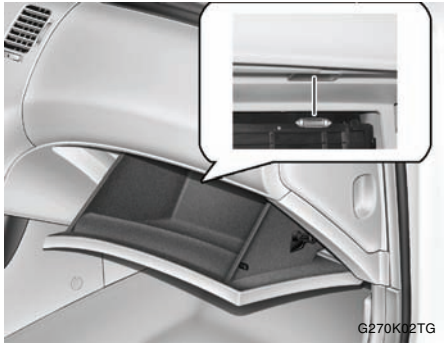
G270K01TG-AAT

GLOVE BOX ILLUMINATED LIGHT

1. Open the glove box.



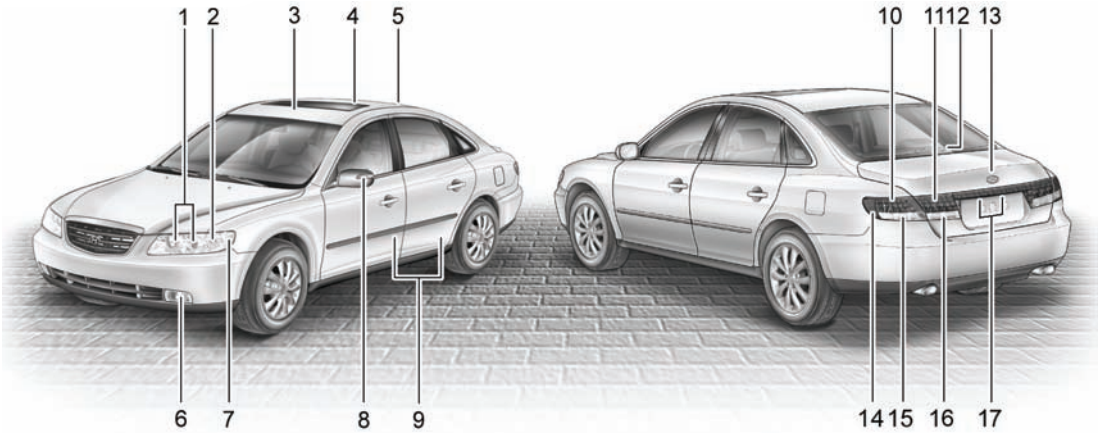
2. Remove the glove box illuminated light cover with a flat-head screwdriver.



3. Replace with a new bulb.

BULB WATTAGE

G280A01TG-AAT



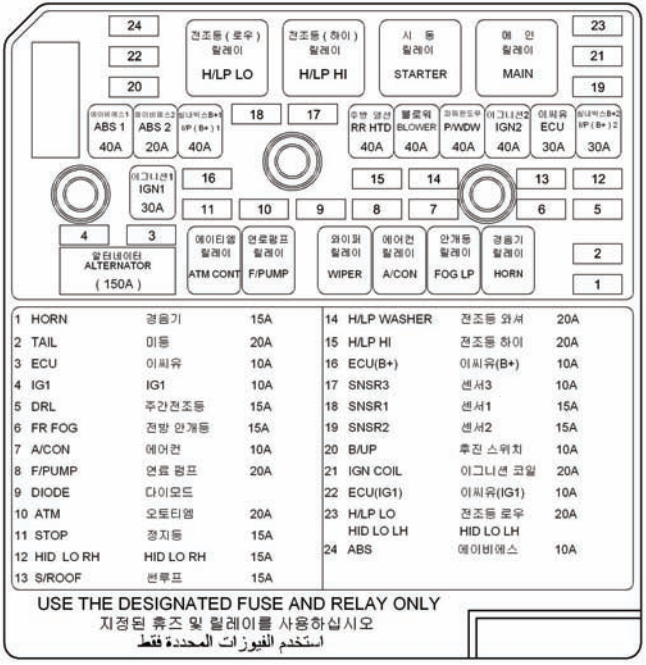
G280A01TG-A

No.	Part Name		Wattage	Socket Type	No.	Part Name	Wattage	Socket Type
1	Headlight	High Beam	55	P14,5s	9	Door Edge Warning Light	5	-
		Low Beam	55	PX26d	10	Stop/Tail Light (Outside)	2.4/0.4	LED Type
2	Front Turn Signal Light/ Front Position Light		28/8	BAY15d	11	Stop/Tail Light (Inside)	2.4/0.4	LED Type
					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 Side Marker Light	5	W2.1X9.5d
5	Rear Map Light		10	BA9s	15	Rear Turn Signal Light	27	BA15s
6	Front Fog Light		35	PGJ19-1	16	Back-up Light	16	W2.1X9.5d
7	Front Side Marker Light		8	BAY15d	17	License Plate Light	5	W2.1X9.5d
8	Side Repeater Light (If Installed)		0.75	LED Type				

FUSE PANEL DESCRIPTION

G200C01TG-AAT

Engine Compartment



HTG4005

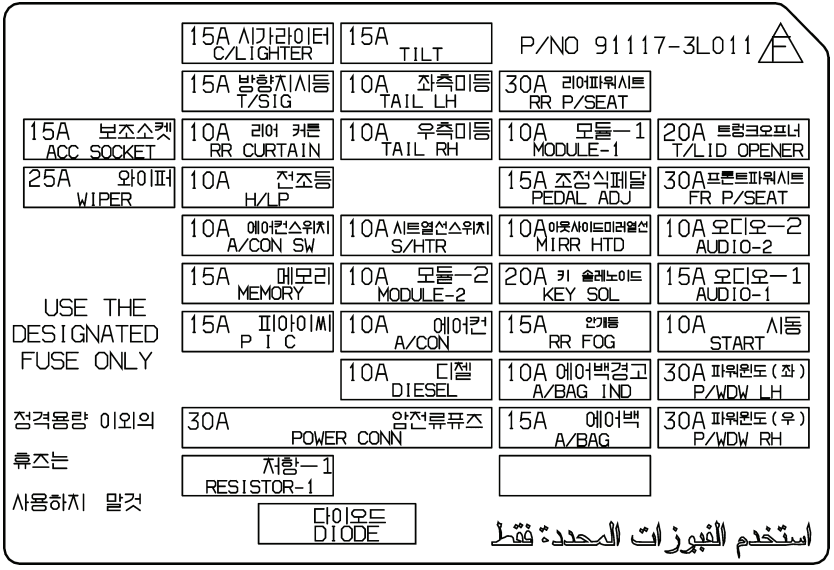
NOTE:

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/ESC Control module, Multipurpose check connector
	ABS2		20A	ABS/ESC 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/ESC Control module, Multipurpose check connector

G200E02TG-AAT

Inner Panel



G200E01TG

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
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, ESC 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 SYSTEMS

Emission Control System 7-2
Catalytic Converter 7-3

7

EMISSION CONTROL SYSTEMS

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Your Hyundai is equipped with an emission control system to meet all emission regulations.
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.

Caution for the Inspection and Maintenance Test (With Electronic Stability Control (ESC) system)

- **To prevent the vehicle from misfiring during dynamometer testing, turn the Electronic Stability Control (ESC) system off by pressing the ESC switch.**
- **After dynamometer testing is completed, turn the ESC system back on by pressing the ESC switch again.**

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1. Crankcase Emission Control System

The positive crankcase ventilation system is employed to prevent air pollution caused by blow-by gases being emitted from the crankcase. This system supplies fresh 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.

H010C01S-AAT

2. Evaporative Emission Control (Including ORVR: Onboard Refueling Vapor Recovery) System

The Evaporative Emission Control System is designed to prevent fuel vapors from escaping into the atmosphere.
(The ORVR system is designed to allow the vapors from the fuel tank to be loaded into a canister while refueling at the gas station, preventing the escape of fuel vapors into the atmosphere.)

Canister

Fuel vapors generated inside the fuel tank are absorbed and stored in the onboard canister. When the engine is running, the fuel vapors absorbed in the canister are drawn into the surge tank through the purge control solenoid valve.

Purge Control Solenoid Valve (PCSV)

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

CATALYTIC CONVERTER

H010D02A-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.

PROPOSITION 65 WARNING:
Engine exhaust and a wide variety of automobile components and parts, including components found in the interior furnishings in a vehicle, contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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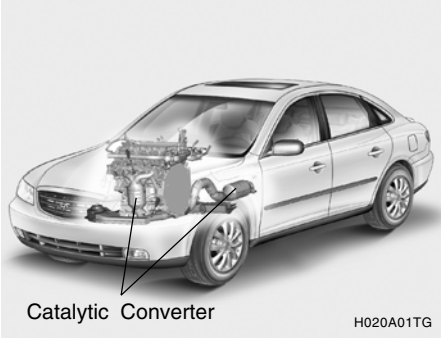
(If Installed)



Hyundai vehicle is 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.**

WARNING:

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

CONSUMER INFORMATION, REPORTING SAFETY DEFECTS & BINDING ARBITRATION OF WARRANTY CLAIMS

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Engine Number 8-2
Tire Information 8-2
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Checking Tire Inflation Pressure 8-5
Tire Sidewall Labeling 8-5
Tire Terminology and Definitions 8-7
All Season Tires 8-9
Snow Tires 8-9
Tire Chains 8-10
Tire Rotation 8-10
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Tire Traction 8-11
When to Replace Tires 8-11
Tire Maintenance 8-13
Spare Tire and Tools 8-13
Warranties for Your Hyundai Vehicle 8-14
Consumer Information 8-14
Reporting Safety Defects 8-17
Binding Arbitration of Warranty Claims 8-17

VEHICLE IDENTIFICATION NUMBER (VIN)

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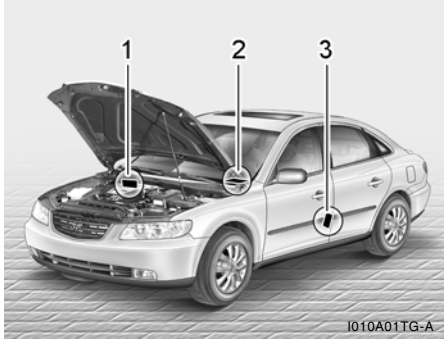

The vehicle identification number (VIN) is the number used in registering your car and in all legal matters pertaining to its ownership, etc. It can be found in three different places on your car:

1. The number is punched on the engine compartment bulkhead.
2. The VIN is also on a plate attached to the top of the dashboard. The number on the plate can easily be seen through the windshield from outside.
3. The vehicle certification label attached on the driver's (or front passenger's) side center pillar gives the vehicle identification number (VIN).

ENGINE NUMBER

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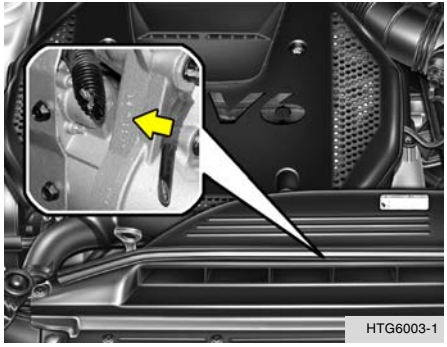


The engine number is stamped on the engine block as shown in the drawing.

TIRES

I020A02A-AAT

TIRE INFORMATION

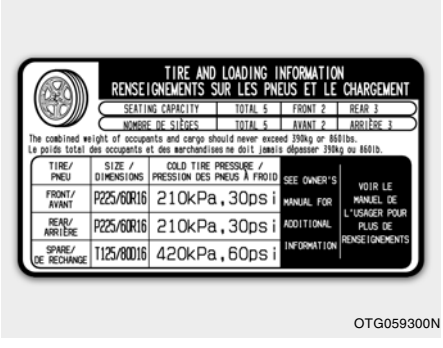
The tires supplied on your new Hyundai are chosen to provide the best performance for normal driving.
If you ever have questions about your tire warranty and where to obtain service, see the tire manufacturer's booklet included with your vehicle's Owner's Manual Literature Kit.

I030A02TG-AAT

RECOMMENDED COLD TIRE INFLATION PRESSURES

Tire label located on the driver's side of the center pillar outer panel gives the cold tire pressures recommended for your vehicle with the original tire size, the number of people that can be in your vehicle and vehicle capacity weight.

Type A



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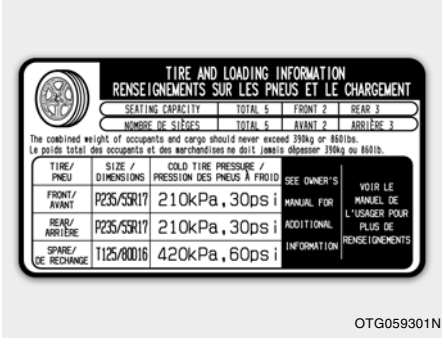
Type C



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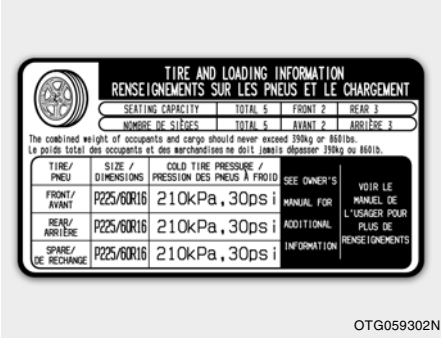
Type B



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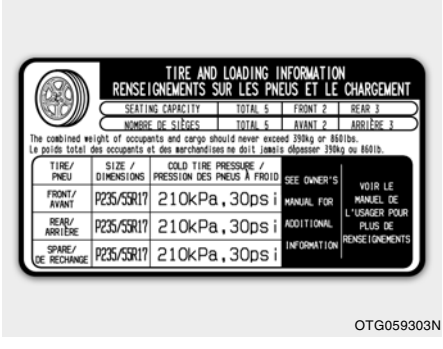
Type D



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These pressures were chosen to provide the most satisfactory combination of ride comfort, tire wear and stability under normal conditions. Tire pressures should be checked at least monthly. Proper tire inflation pressures should be maintained for these reasons:

WARNING:

- **Inspect your tires frequently for proper inflation as well as wear and damage. Always use a tire pressure gauge.**
- **Tires with too much or too little pressure wear unevenly causing poor handling, loss of vehicle control, and sudden tire failure leading to accidents, injuries, and even death. The recommended cold tire pressure for your vehicle can be found in this manual and on the tire label located on the driver's side of the center pillar.**

WARNING:

- **Worn tires can cause accidents. Replace tires that are worn, show uneven wear, or are damaged. See page 8-11.**
- **Remember to check the pressure of your spare tire. Hyundai recommends that you check the spare every time you check the pressure of the other tires on your vehicle.**

NOTE:

- **Underinflation also results in excessive wear, poor handling and reduced fuel economy. Wheel deformation also is possible. Keep your tire pressures at the proper levels. If a tire frequently needs refilling, have it checked by your Hyundai Dealer.**
- **Overinflation produces a harsh ride, excessive wear at the center of the tire tread, and a greater possibility of damage from road hazards.**

WARNING:

Overinflation or underinflation can reduce the tire life, adversely affect vehicle handling, and lead to sudden tire failure. This could rusult in loss of vehicle control and potential injury.

CAUTION:

Always observe the following:

- **Check pressures when the tires are cold. (After the vehicle has been parked for at least three hours or hasn't been driven more than 1 mile (1.6 km) since starting up.)**
- **Check the pressure of your spare tire each time you check the pressure of other tires.**
- **Worn, old tires can cause accidents. If your tread is badly worn, or if your tires have been damaged, replace them.**

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CHECKING TIRE INFLATION PRESSURE

Check your tires once a month or more. Also, check the tire pressure of the spare tire.

How to Check

Use a good quality gauge to check tire pressure. You cannot tell if your tires are properly inflated simply by looking at them. Radial tires may look properly inflated even when they're underinflated. Check the tire's inflation pressure when the tires are cold. - "Cold" means your vehicle has been sitting for at least three hours or driven no more than 1 mile (1.6 km).

Remove the valve cap from the tire valve stem. Press the tire gauge firmly onto the valve to get a pressure measurement. If the cold tire inflation pressure matches the recommended pressure on the tire and loading information label, no further adjustment is necessary. If the pressure is low, add air until you reach the recommended amount. If you overfill the tire, release air by pushing on the metal stem in the center of the tire valve. Recheck the tire pressure with the tire gauge. Be sure to put the valve caps back on the valve stems. They help prevent leaks by keeping out dirt and moisture.

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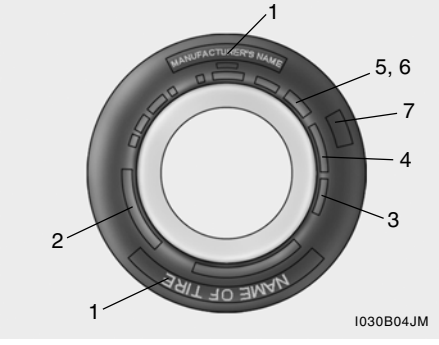
TIRE SIDEWALL LABELING



Federal law requires tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire and also provides the tire identification number (TIN) for safety standard certification. The TIN can be used to identify the tire in case of a recall.

1. **Manufacturer or Brand name**
   - o Manufacturer or Brand name is shown.
2. **Tire size**
   (example: P225/60R16 97V)
   - o The "P" indicates the tire is designed for passenger vehicles.
   - o Three-digit number (225): This number gives the width in millimeters of the tire from sidewall edge to sidewall edge.
   - o Two-digit number (60): This number, known as the aspect ratio, gives the tire's ratio of height to width.
   - o R: The "R" stands for radial.
   - o Two-digit number (16): This number is the wheel or rim diameter in inches.
   - o Two digit number (97): This number is the tire's load index. It is a measurement of how much weight each tire can support.
   - o V: Speed Rating. The speed rating denotes the speed at which a tire is designed to be driven for extended periods of time. The ratings range from "A" to "Z" (98 to 186 MPH).
3. **TIN** (Tire Identification Number) for new tire (example: DOT XX XX XXX XXXX)
   - o DOT: Abbreviation for the "Department of Transportation". The symbol can be placed above, below or to the left or right of the Tire Identification Number. It indicates the tire is in compliance with the U.S. Department of Transportation Motor Vehicle Safety Standards.
   - o 1st two-digit code: Manufacturer's identification mark
   - o 2nd two-digit code: Tire size
   - o 3rd three-digit code: Tire type code (Optional)
   - o 4th four-digit code: Date of Manufacture
   - o Four numbers represent the week and year the tire was built. For example, the numbers 3108 means the 31st week of 2008.
4. **Tire ply composition and material**
   The number of layers or plies of rubbercoated fabric in the tire. Tire manufacturers also must indicate the materials in the tire, which include steel, nylon, polyester, and others. The letter "R" means radial ply construction; the letter "D" means diagonal or bias ply construction; and the letter "B" means belted-bias ply construction.
5. **Maximum permissible inflation pressure**
   This number is the greatest amount of air pressure that should be put in the tire. Do not exceed the maximum permissible inflation pressure. Refer to the Tire and Loading Information label for recommended inflation pressure.

6. **Maximum load rating**
   This number indicates the maximum load in kilograms and pounds that can be carried by the tire. When replacing the tires on the vehicle, always use a tire that has the same load rating as the factory installed tire.
7. **Uniform Tire Quality Grading (UTQG):**
   Tire manufacturers are required to grade tires based on three performance factors: treadwear, traction and temperature resistance. For more information, see Uniform Tire Quality Grading on page 8-14.

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TIRE TERMINOLOGY AND DEFINITIONS

Air Pressure: The amount of air inside the tire pressing outward on the tire. Air pressure is expressed in pounds per square inch (psi) or kilopascal (kPa).
Accessory Weight: This means the combined weight of optional accessories. Some examples of optional accessories are, automatic transmission, power seats, and air conditioning.
Aspect Ratio: The relationship of a tire's height to its width.
Belt: A rubber coated layer of cords that is located between the plies and the tread. Cords may be made from steel or other reinforcing materials.
Bead: The tire bead contains steel wires wrapped by steel cords that hold the tire onto the rim.
Bias Ply Tire: A pneumatic tire in which the plies are laid at alternate angles less than 90 degrees to the centerline of the tread.
Cold Tire Pressure: The amount of air pressure in a tire, measured in pounds per square inch (psi) or kilopascals (kPa) before a tire has built up heat from driving.
Curb Weight: This means the weight of a motor vehicle with standard and optional equipment including the maximum capacity of fuel, oil and coolant, but without passengers and cargo.
DOT Markings: A code molded into the sidewall of a tire signifying that the tire is in compliance with the U.S. Department of Transportation motor vehicle safety standards. The DOT code includes the Tire Identification Number (TIN), an alphanumeric designator which can also identify the tire manufacturer, production plant, brand and date of production.
GVWR: Gross Vehicle Weight Rating
GAWR FRT: Gross Axle Weight Rating for the front Axle.
GAWR RR: Gross Axle Weight Rating for the rear axle.

Intended Outboard Sidewall: The side of an asymmetrical tire, that must always face outward when mounted on a vehicle.
Kilopascal (kPa): The metric unit for air pressure.
Load Index: An assigned number ranging from 1 to 279 that corresponds to the load carrying capacity of a tire.
Maximum Inflation Pressure: The maximum air pressure to which a cold tire may be inflated. The maximum air pressure is molded onto the sidewall.
Maximum Load Rating: The load rating for a tire at the maximum permissible inflation pressure for that tire.
Maximum Loaded Vehicle Weight: The sum of curb weight; accessory weight; vehicle capacity weight; and production options weight.
Normal Occupant Weight: The number of occupants a vehicle is designed to seat multiplied by 150 pounds (68 kg).
Occupant Distribution: Designated seating positions.
Outward Facing Sidewall: The side of an asymmetrical tire that has a particular side that faces outward when mounted on a vehicle. The side of the tire that contains a whitewall, bears white lettering or bears manufacturer, brand and or model name molding that is higher or deeper than the same moldings on the other sidewall of the tire.
Passenger (P-Metric) Tire: A tire used on passenger cars and some light duty trucks and multipurpose vehicles.
Recommended Inflation Pressure: Vehicle manufacturer's recommended tire inflation pressure as shown on the tire placard.
Radial Ply tire: A pneumatic tire in which the ply cords that extend to the beads are laid at 90 degrees to the centerline of the tread.
Rim: A metal support for a tire upon which the tire beads are seated.
Sidewall: The portion of a tire between the tread and the bead.
Speed Rating: An alphanumeric code assigned to a tire indicating the maximum speed at which a tire can operate.
Traction: The friction between the tire and the road surface. The amount of grip provided.
Tread: The portion of a tire that comes into contact with the road.
Treadwear Indicators: Narrow bands, sometimes called "wear bars," that show across the tread of a tire when only 2/32 inch of tread remains.
UTQGS: Uniform Tire Quality Grading Standards, a tire information system that provides consumers with ratings for a tire's traction, temperature and treadwear. Ratings are determined by tire manufacturers using government testing procedures. The ratings are molded into the sidewall of the tire.

Vehicle Capacity Weight: The number of designated seating positions multiplied by 150 lbs. (68 kg) plus the rated cargo and luggage load.
Vehicle Maximum Load on the Tire: Load on an individual tire due to curb and accessory weight plus maximum occupant and cargo weight.
Vehicle Normal Load on the Tire: That load on an individual tire that is determined by distributing to each axle its share of the curb weight, accessory weight, and normal occupant weight and dividing by 2.
Vehicle Placard: A label permanently attached to a vehicle showing the original equipment tire size and recommended inflation pressure.

I040B01JM-AAT

ALL SEASON TIRES

Hyundai specifies all season tires on some models to provide good performance for use all year round, including snowy and icy road conditions. All season tires are identified by ALL SEASON and/or M+S (Mud and Snow) on the tire sidewall. Snow tires have better snow traction than all season tires an may be more appropriate in some areas.

I040A01O-AAT

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 4 psi (28 kPa) more air pressure than the pressure recommended for the standard tires on the tire label on the driver's side of the center pillar , or up to the maximum pressure shown on the tire sidewall, whichever is less.
Do not drive faster than 75 mph (120 km/h) when your car is equipped with snow tires.

I050A02TG-AAT

TIRE CHAINS

Tire chains, if necessary, 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.

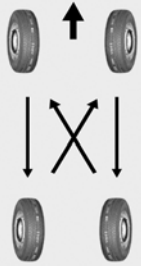
WARNING:

- **When driving on roads covered with snow or ice, drive at less than 20 mph (30 km/h).**
- **Use SAE "S" class or wire chains.**
- **Use wire chains less than 15mm to prevent damage to the chain's connection.**
- **If chains contact the body and cause noise, retighten the chains to avoid contact with the vehicle body that may cause damage.**
- **To prevent body damage, retighten the chains after driving 0.3~0.6 miles.**
- **Don't use tire chains on a vehicle equipped with aluminium wheels. If it is unavoidable, use wire type chains.**

I060A02A-AAT

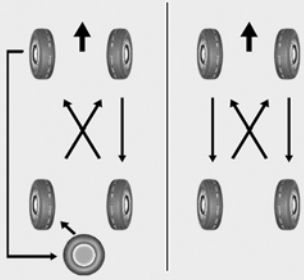
TIRE ROTATION

Temporary spare tire type



I060A01TG

Full size spare tire type



I060A02TG

Tires should be rotated every 7,500 miles (12,000 km). 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 the wheel nut torque.

WARNING:
- **Do not use the temporary spare tire for tire rotation.**
- **Do not mix bias ply and radial ply tires under any circumstances. This may cause unusual handling characteristics that could result in death, serious injury, or property damage.**

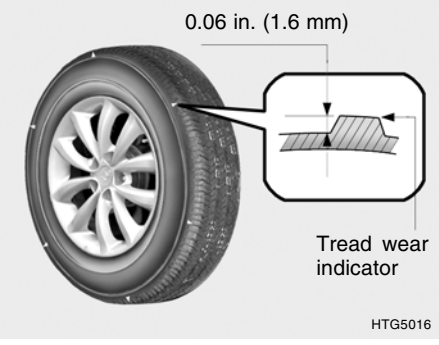
I070A01A-AAT
TIRE BALANCING

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.

I090A05A-AAT
WHEN TO REPLACE TIRES



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

WARNING:

To reduce the chance or serious or fatal injuries from an accident caused by tire failure or loss of vehicle control:

- **Replace tires that are worn, show uneven wear, or are damaged. Worn tires can cause loss of braking effectiveness, steering control, and traction.**
- **Do not drive your vehicle with too little or too much pressure in your tires. This can lead to uneven wear and tire failure.**
- **When replacing tires, never mix radial and bias-ply tires on the same car. You must replace all tires (including the spare) if moving from radial to bias-ply tires.**
- **Using tires and wheel other than the recommended sizes could cause unusual handling characteristics and poor vehicle control, resulting in a serious accident.**

WARNING:

- **Wheels that do not meet Hyundai's specifications may fit poorly and result in damage to the vehicle or unusual handling and poor vehicle control.**
- **Tires degrade over time, even when they are not being used. Regardless of the remaining tread, it is recommended that tires tread, It is recommended that tires generally be replaced after 6 years of normal service. Heat caused by hot climates or frequent high loading conditions can accelerate the aging process. Failure to follow this Warning can result in sudden tire failure, which could lead to a loss of control and an accident involving serious injury or death.**

WARNING:

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

I090B02JM-AAT

TIRE MAINTENANCE

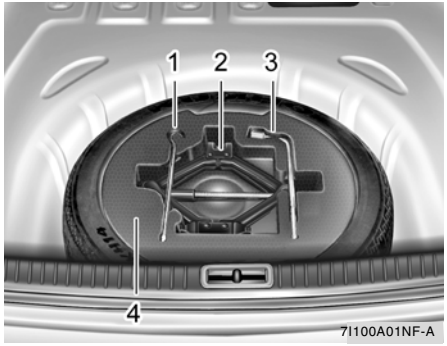
In addition to proper inflation, correct wheel alignment helps to decrease tire wear. If you find a tire is worn unevenly, have your dealer check the wheel alignment.

When you have new tires installed, make sure they are balanced. This will increase vehicle ride comfort and tire life. Additionally, a tire shoud always be rebalanced if it is removed from the wheel.

WARNING:

- **Underinflated or overinflated tires can cause poor handling, loss of vehicle control, and sudden tire failure leading to accidents, injuries, and even death. Always check tires are properly inflated before driving. Refer to pages 2-23 and 8-3 for proper tire pressures and further information.**
- **Driving on tires with no or insufficient tread is dangerous. Worn-out tires can result in loss of vehicle control, collisions, and injury and even death. Worn-out tires should be replaced as soon as possible and should never be used for driving. Always check tire tread before driving your car. Refer to this page for further information and tread limits.**

I100A01NF-AAT



Your Hyundai is delivered with the following:

Spare tire and wheel
Wrench bar (1)
Jack (2)
Wheel nut wrench (3)
Tool receptacle (4)

I110A01A-AAT

SHOP MANUAL

A Hyundai Shop Manual is available from your authorized Hyundai dealer. It's written for professional technicians, but is simple enough for most mechanically-inclined owners to understand.

WARRANTIES FOR YOUR HYUNDAI VEHICLE

I120A03A-AAT

Please consult your Owner's Handbook & Warranty Information booklet for your vehicle's specific warranty coverage.

CONSUMER INFORMATION

I130A01A-AAT

This consumer information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S. Department of Transportation. It provides the purchasers and/or prospective purchasers of Hyundai automobiles with information on uniform tire quality grading. Your Hyundai dealer will help answer any questions you may have as you read this information.

I130B05A-AAT

Tire Quality Grading

Department of Transportation quality grades - All passenger vehicle tires must conform to Federal Safety Standards in addition to these grades. These quality grades are molded on the sidewall.

Treadwear - The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and a half (1 - 1/2) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction AA, A, B, C - The traction grades, from highest to lowest, are AA, A, B, and C. Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

WARNING:
The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature A, B, C - The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

WARNING:
The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Uniform Tire Quality Grading
Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.
For example:
TREAD wear 200
TRACTION AA
TEMPERATUE A

I130D04A-AAT

Hyundai motor vehicles are designed and manufactured to meet or exceed all applicable safety standards.

For your safety, however, we strongly urge you to read and follow all directions in this Owner's Manual, particularly the information under the headings **"NOTE", "CAUTION" and "WARNING"**.

If, after reading this manual, you have any questions regarding the operation of your vehicle, please contact your nearest Hyundai Motor America Regional Office as listed below:

Eastern Region : Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvanina, Rhode Island, Vermont, Virginia, West Virginia.

Eastern Region
1100 Cranbury South River Road
Jamesburg, NJ 08831
(800) 633-5151

Southern Region: Florida, Georgia, North Carolina, South Carolina.

Southern Region
270 Riverside Parkway, Suite A
Austell, GA 30168
(800) 633-5151

South Central Region: Alabama, Arkansas, Colorado, Kansas, Louisiana, Mississippi, Missouri, New Mexico, Oklahoma, Tennessee, Texas, Wyoming.

South Central Region
1421 South Beltline Road, Suite 400
Coppell, TX 75019
(800) 633-5151

Central Region: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Nebraska, North Dakota, South Dakota, Ohio, Wisconsin.

Central Region
1705 Sequoia Drive
Aurora, Illinois 60506
(800) 633-5151

Western Region: Alaska, Hawaii, Arizona, California, Idaho, Montana, Nevada, Oregon, Texas, Utah, Washington.

Western Region
10550 Talbert Avenue
P.O.Box 20850
Fountain Valley, California 92728-0850
(800) 633-5151

REPORTING SAFETY DEFECTS

I130C03A-AAT

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying HYUNDAI MOTOR AMERICA. If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or HYUNDAI MOTOR AMERICA.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 1200 New Jersey Avenue, SE., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

BINDING ARBITRATION (U.S.A only)

I140A01A-AAT

Any claim or dispute you may have related to your vehicle's warranty or the duties contemplated under the warranty, including claims related to the refund or partial refund of your vehicle's purchase price (excluding personal injury or product liability claims), shall be resolved by binding arbitration. Binding arbitration shall be administered by and through the National Arbitration Forum (NAF) or the American Arbitration Association (AAA), under the Code of Procedure of the entity you select.

You will not be responsible for paying filing and hearing fees above $275.00. All other arbitration costs shall be borne by Hyundai Motor America. You are not responsible to pay any of the costs Hyundai incurs.

This Binding Arbitration Agreement shall not deprive you of any remedies available to you under applicable law. The parties are waiving their right to seek remedies in court, including the right to a jury trial.

This Binding Arbitration Agreement shall be governed by and interpreted under the Federal Arbitration Act, 9 U.S.C. sections 1-16. Judgment upon any award may be entered in any court having jurisdiction.

You may revoke this Arbitration Agreement by (1) written notice or (2) electronic notice. Written notice must be delivered (via certified mail) to Hyundai Motor America, Attn: Consumer Affairs, 10550 Talbert Avenue, P.O. Box 20849, Fountain Valley, CA 92728-0849. Electronic notice must be submitted at the following website address: http://warranty-arbitration.hyundaiUSA.com. Notice must be received within 90 days after you purchase your vehicle.

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J010A01TG-AAT
MEASUREMENT

in.(mm)

Overall length		192.7 (4895)
Overall width		72.8 (1850)
Overall height		58.6 (1490)
Wheel base		109.4 (2780)
Wheel tread	Front	62.2 (1580)
	Rear	61.6 (1565)

J020A01TG-AAT
POWER STEERING

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

J060A01TG-AAT
FUEL SYSTEM

Fuel tank capacity	19.8 U.S.gal (16.4 Imp.gal, 75 liters)

J030A01TG-AAT
TIRE

Standard	P225/60R16
Option	P235/55R17

J035A01TG-AAT
SPARE TIRE

Standard	Temporary (T125/80D16)
Option	Full size

J050A01TG-AAT
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

J070A03TG-AAT

ITEMS		3.3L	3.8L
Engine Type		6-Cyl., V-type DOHC	6-Cyl., V-type DOHC
Bore x Stroke in.(mm)		3.62 x 3.29 (92 x 83.8)	3.77 x 3.42 (96 x 87)
Displacement cu.in.(cc)		203.9 (3,342)	230.5 (3,778)
Firing order		1 - 2 - 3 - 4 - 5 - 6	
Valve clearance (warm engine)	Intake	0.007 in. (0.2 mm)	
	Exhaust	0.011 in. (0.3 mm)	
Idle speed (rpm)		720 ± 100	
Ignition timing (Base)		BTDC 10° ± 5°	

4 LUBRICATION CHART

J080A03TG-AAT

Item		Oil & Grease Standard		Quantity (Us. qts) (Imp. qts, Liter)
Engine Oil Recommends		API Service SM* or above, ILSAC GF-4 or above	SAE 5W-20, SAE 5W-30 (ALL TEMP. RANGE) SAE 10W-30 (ABOVE 0°F(-18°C))	Drain and refill ; 5.49 (4.57, 5.2)
Transaxle	Automatic	HYUNDAI GENUINE ATF SP III, DIAMOND ATF SP III, SK ATF SP III or other brands meeting the SP III specification approved by Hyundai Motor Co.		11.51 (9.59, 10.9)
Coolant		Ethylene glycol base for aluminum radiator		3.3 Engine - 9.08 (7.56, 8.6) 3.8 Engine - 8.77 (7.3, 8.3)
Power steering		PSF-4 TYPE FLUID		0.95 (0.79, 0.9)
Brake fluid		DOT 3 or DOT 4 Equivalent		As required

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

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