



A030A01TB

current at the time of publication. Hyundai reserves the right to make
of continual product improvement may be carried out.

els and includes descriptions and explanations of optional as
you may find material in this manual that does not apply to your

l with Right-Hand Drive (RHD). The explanations and illustrations for
ite of those written in this manual.



6/29/2005, 12:20 PM





FOREWORD

We are pleased to welcome you to the growing number of Hyundais. The advanced engineering and high-quality construction of which we're very proud.

We want to introduce you to the features and operation of your new Hyundai. It is important to read this manual since the information it contains can contribute greatly to the safe and proper use of your new car.

We recommend that all service and maintenance on your car be performed by a qualified technician. Hyundai dealers are prepared to provide high-quality service, and we recommend that any service that may be required.



HYUNDAI MOTOR COMPANY

We hope you will find the information included in this manual, if you sell this manual, please include it in the vehicle for their use. Thank you.

Damage may result from the use of poor quality fuels and oil that do not meet Hyundai specifications. You must always use high quality fuels and oils that meet the specifications listed on Page 9-4 in the Vehicle Specifications.

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6/29/2005, 12:20 PM





RESPONSIBILITY FOR MAINTENANCE

Instructions for your new Hyundai are found in Section 5. As the owner, you are responsible for seeing that all maintenance operations specified by the manufacturer are performed at the appropriate intervals. When the vehicle is used in severe operating conditions, more frequent maintenance is required for some components. Additional requirements for severe operating conditions are also listed in Section 5.



6/29/2005, 12:20 PM





MODIFICATIONS TO YOUR HYUNDAI

Modifications may void the manufacturer's warranty

Modifications may void the manufacturer's warranty. Modifications may adversely affect the performance of your Hyundai. Components which are removed or added to the vehicle resulting in consequential damage void the vehicle manufacturer's warranty.



FOR CELLULAR TELEPHONE INSTALLATION

Interference may occur with electronic fuel injection and other electronic components. Improperly installed/adjusted two-way radio or cellular radio may interfere with electronic systems. For this reason, we recommend you follow the radio manufacturer's instructions or consult your Hyundai dealer for special instructions if you choose to install one.



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AND VEHICLE DAMAGE WARNING

Information titled as WARNING, CAUTION and NOTE.
Following:

**Condition may result in harm, serious injury or death to
the operator if the warning is not heeded. Follow the advice provided**

**Condition may result in damage to your vehicle or its
components if the warning is not heeded. Follow the advice provided with the**

Additional information or helpful information is being provided.



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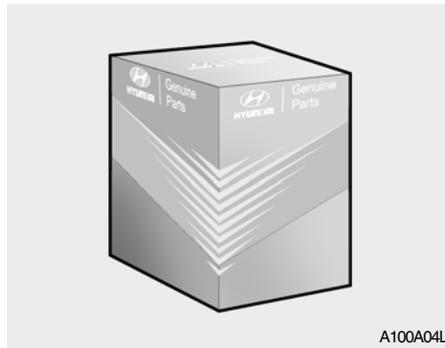
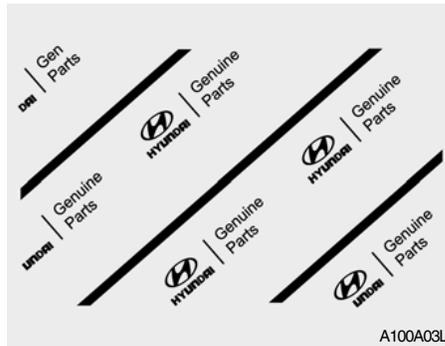
ing imitation, counterfeit or used
 vage parts are not covered under
 e Hyundai New Vehicle Limited
 arranty or any other Hyundai war-
 nty. In addition, any damage to or
 ure of Genuine Hyundai Parts
 used by the installation or failure
 an imitation, counterfeit or used
 vage part is not covered by
 undai Motor Company.

Hyundai Genuine Parts are only
 sold through authorized Hyundai
 Dealership and Service Center.

**How can you tell if you purchasing
 Hyundai Genuine Parts?**

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

The export specifications are writ-
 in English only.



6/29/2005, 12:20 PM





TABLE OF CONTENTS

	PAGE	
NDAI	1-1	1
.....	2-1	2
AGENCY	3-1	3
I & APPEARANCE CARE	4-1	4
REQUIREMENTS.....	5-1	5
NANCE	6-1	6
TEMS	7-1	7
N	8-1	8
S	9-1	9
.....	10-1	10

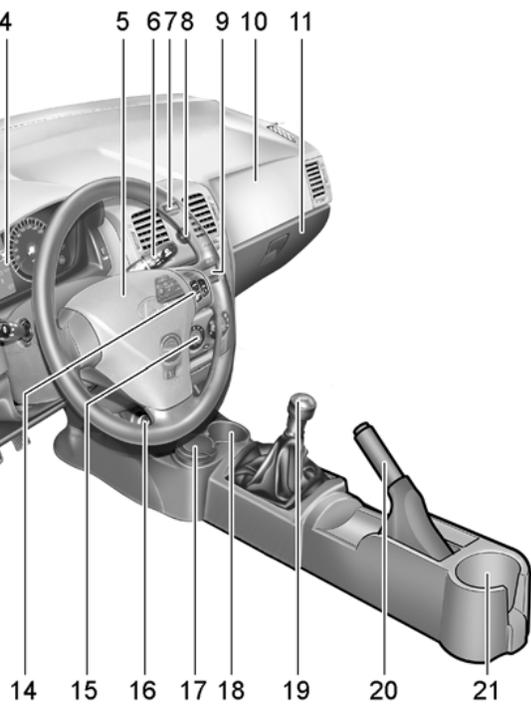


6/29/2005, 12:20 PM





(HAND DRIVE)



B250A01TB



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YOUR VEHICLE AT A GLANCE

- 12. Hood Release Lever
- 13. Fuse Box
- 14. Audio Remote Control Switch (If installed)
- 15. Heating/Air Conditioning Control Panel
(If installed)
- 16. Cigarette Lighter
- 17. Ashtray
- 18. Front Drink Holder
- 19. Shift Lever (If installed)
- 20. Parking Brake Lever
- 21. Rear Drink Holder



When using an air freshener inside a vehicle, do not place it near the instrument cluster nor where there is any leakage from the air freshener onto these areas (instrument cluster, gauges, or controls). If the liquid from the air freshener does leak, clean it up immediately.

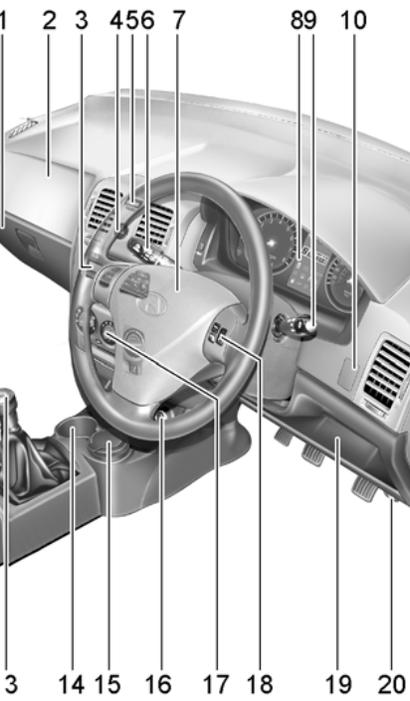


6/29/2005, 12:20 PM





(L-HAND DRIVE)



B250B01TB



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YOUR VEHICLE AT A GLANCE

- 12. Parking Brake Lever
- 13. Shift Lever (If installed)
- 14. Front Drink Holder
- 15. Ashtray
- 16. Power Outlet (If installed)
- 17. Heating/Air Conditioning Control Panel
(If installed)
- 18. Audio Remote Control Switch (If installed)
- 19. Fuse Box
- 20. Hood Release Lever



When used inside a vehicle, do not place it near the instrument cluster nor where there is any leakage from the air freshener onto these areas (instrument panel, etc.). If the liquid from the air freshener does leak, clean it up immediately.



6/29/2005, 12:20 PM





INSTRUMENT PANEL



Door Ajar Warning Light and Chime



Low Fuel Level Warning Light



Malfunction Indicator Light



Seat Belt Warning Light



Electric Power Steering System (EPS)
Warning Light



ESP Electronic Stability Program Indicator
Lights (If Installed)



Immobilizer Warning Light



Diesel Pre-heat Indicator Light (Diesel only)



Fuel Filter Warning Light (Diesel only)



Engine Coolant Temperature Indicator

Continued on page 1-50



6/29/2005, 12:20 PM





ES OF YOUR HYUNDAI

ns	1-2
/ Hyundai	1-3
em)	1-4
rm system)	1-7
.....	1-12
.....	1-13
.....	1-21
n	1-28
nt (AIRBAG) system	1-36
d indicator lights	1-46
licator	1-50
.....	1-59
witch	1-61
sher Switch	1-63
.....	1-69
.....	1-73
.....	1-77
Room	1-80
ontrol	1-86
.....	1-95
.....	1-97
.....	1-120

1



7/29/2005, 10:35 AM





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

Diesel

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

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

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

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



CAUTION:

- Do not let any gasoline or water enter the tank. This would make it necessary to drain it out and to bleed the lines to avoid jamming the injection pump and damaging the engine.
- In winter, in order to cut down incidents due to freezing, paraffin oil may be added to the fuel if the temperature drops to below -10°C. Never use more than 20% paraffin oil.



B010B01A-AAT

What About Gasohol?

Gasohol (a mixture of 90% unleaded gasoline and 10% ethanol or grain alcohol) may be used in your Hyundai. However, if your engine develops 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.



7/29/2005, 10:35 AM





A-AAT
Operation in Foreign Countries

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

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

S-GAT
Break-In Procedure for Your New Hyundai (Gasoline Engine)

The normal "break-in" procedure is recommended with your new Hyundai. How you can contribute to the economical operation and durability of your Hyundai by observing the following recommendations during the first 2,000 km (1,200 miles).

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





Whether going fast or slow, vary your speed from time to time.
Don't let the engine idle longer than 10 minutes at one time.
Don't tow a trailer during the first 1000 km (600 miles) of operation.

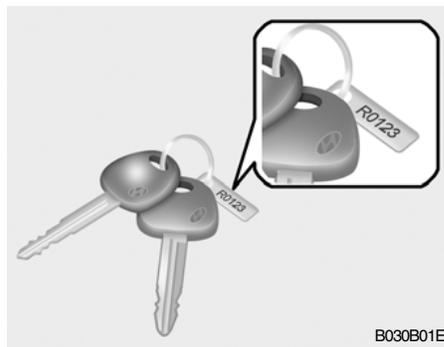
A-AAT
S



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

B030B01A-AAT

Record Your Key Number



A code number is stamped on the number plate that came with the keys to your Hyundai. This key number plate should not be left with the keys but kept in a safe place, not in the vehicle. The key number should also be recorded in a place where it can be found in an emergency.

If you need additional keys, or if you should lose your keys, your authorized Hyundai dealer can make new keys if you can supply the key number.



7/29/2005, 10:35 AM





E:
Do not make your own duplicate key, you will not be able to cancel the immobilizer or start the engine.

CAUTION:
When starting the engine, do not use keys with other immobilizer keys and. Otherwise the engine may not start or may stop soon after it starts.
Each key separately not to have malfunction after you receive new vehicle.

The vehicle key number is recorded upon a metal tag attached to the keys when the vehicle is first delivered to you.

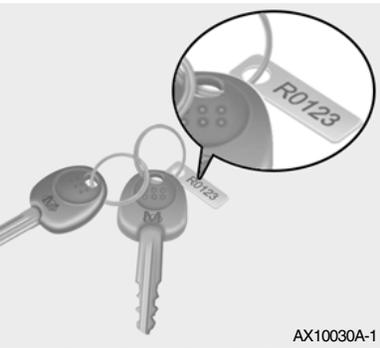
The key number should be recorded and kept in a safe place in case the need to order further keys arises. New keys are available from any Hyundai dealer by quoting the relevant key number.

In the interest of security, the metal tag attached to the keys which bears the key number should be removed from the key ring after you receive your new vehicle. In addition, key numbers cannot be provided by Hyundai for security reasons.

If you need additional keys or if you should lose your keys, your authorized Hyundai dealer can make new keys.



KEY NUMBER TAG
Numbers



7/29/2005, 10:35 AM





word, consult your authorized
Hyundai dealer.

set the password you may turn
the ignition key "ON" and then turn
"OFF" according to the digit num-
bers, then the immobilizer indicator
will blink along with the operation of
the ignition key. For example, turn
the ignition key once for digit num-
ber "1", and twice for "2", and so on.
However, for the digit number "0",
you must turn the ignition key for 10
times.

Wait for 3~10 seconds.

You may set the remaining number
of digits by following the same pro-
cedures 1 and 2.

If all of four digits have been tried
unsuccessfully, turn the ignition key
"ON" and check that the immobi-
lizer indicator illuminates. From this
time, you have to start your engine
within 30 seconds. If you start your
engine after 30 seconds, your en-
gine will not start.

NOTE:

**If the engine dies while driving after
limp home procedure, you can start
your engine within 8 seconds with-
out limp home procedure again.**

5. If the immobilizer indicator blinks for
five seconds, you have to try the
limp home procedure again from
the beginning.

After doing the limp home procedure,
you have to consult with your autho-
rized Hyundai dealer as soon as pos-
sible.



CAUTION:

- o If you fail to try the limp home
procedure with the sequence of
three times, you have to wait for
about one hour to do the limp
home procedure again.
- o If you cannot start your engine in
spite of limp home procedure,
have your vehicle towed by an
authorized Hyundai dealer.

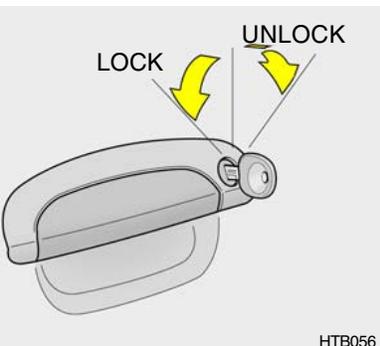


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A-AAT Locking and Unlocking Front Doors With a Key

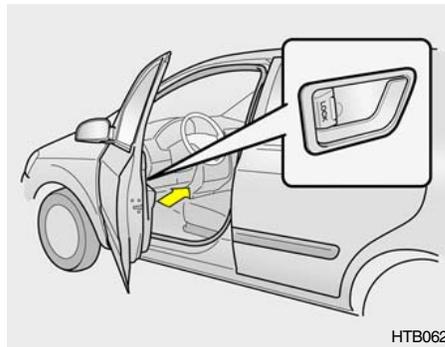


HTB056

The door can be locked or unlocked with a key.

To lock the door by turning the key toward the front of the vehicle and to unlock it by turning the key toward the rear.

B040C01FC-GAT Locking From the Outside



HTB062

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 close. This is normal. (If installed)



NOTE:

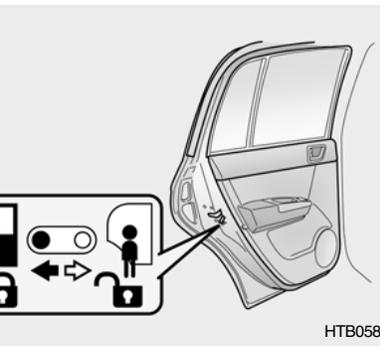
- o When locking the door this way, be careful not to lock the door with the ignition key left in the vehicle.





E:
When the door is locked, the red indicator on the switch is not visible and the character "LOCK" on the switch is visible.

A-AAT
**CHILD-PROTECTOR
REAR DOOR LOCK**



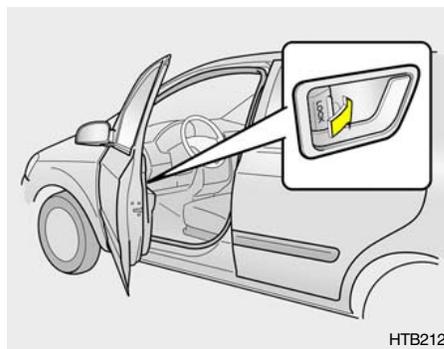
HTB058

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

To engage the child-protector feature so that the door cannot be opened from the inside, move the child-protector lever to the "LOCK" position and close the door. Move the lever to the "UNLOCK" position when normal door operation is desired.

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

B040G01FC-GAT
Central Door Lock (If Installed)



HTB212



7/29/2005, 10:35 AM





A-AAT
ANTI-LOCK BRAKE SYSTEM (ABS) (if installed)

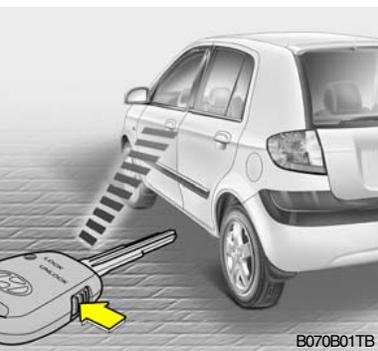
The ABS system is designed to provide better control from unauthorized entry into the car. This system is operated in three stages: the first is the "Armed" stage, the second is the "Alarm" stage, and the third is the "Disarmed" stage. When the system is armed, the system provides an audible alarm with blinking of the turn signal lights.

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 tail gate are locked.
- 3) Lock the doors using the transmitter of the keyless entry system.

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

O-GAT
Disarmed Stage



NOTE:

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

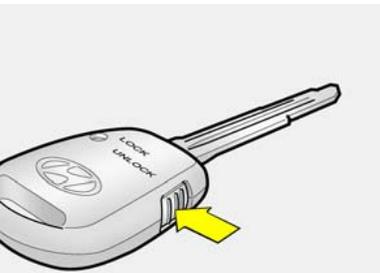
 **CAUTION:**
Do not arm the system until all passengers have left the car. If the system is armed while a passenger(s) remains in the car, the alarm may be activated when the remaining passenger(s) leaves the car.





HTB-AAT

Armed Stage



HTB202

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

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

NOTE:
Once the system has been disarmed, it can not be rearmed except by repeating the arming procedures.



CAUTION:

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

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

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



7/29/2005, 10:35 AM





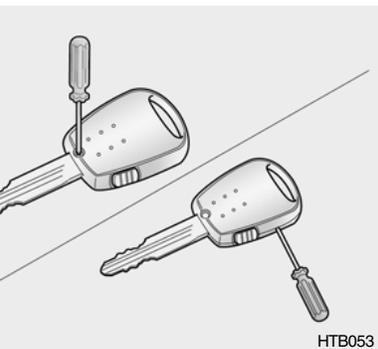
TB-GAT

Replacing the battery

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

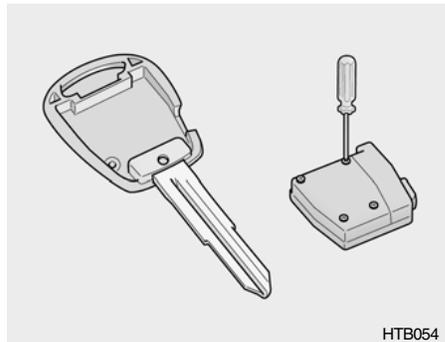
Battery type : CR1220

Replacement instructions:



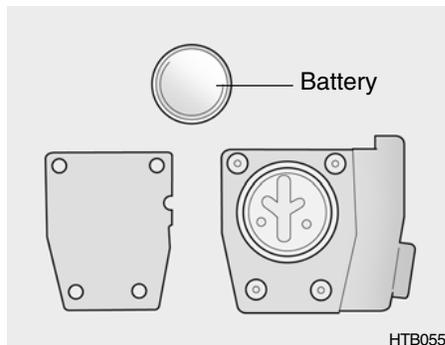
HTB053

Remove the screw with a Phillips screwdriver. Carefully separate the case with a flat-head screwdriver as shown in the illustration.



HTB054

3. Remove four screws back side of the built-in circuit.



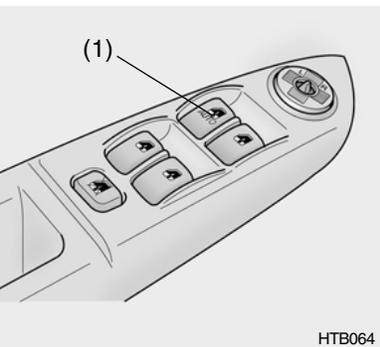
HTB055

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

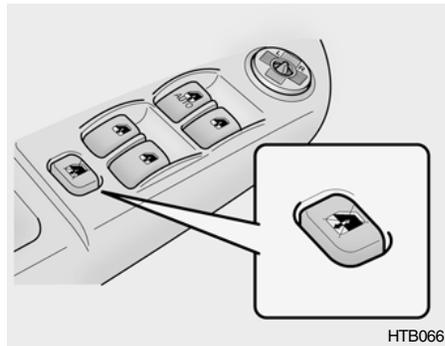




POWER WINDOWS (If Installed)



Power windows operate when the master key is in the "ON" position. The power window 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 pressing the appropriate window switch down and closed by pulling up the switch. To open the window on the driver's side, press the switch (1) down. The window moves as long as the switch is operated.



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.

Auto-Down Window (Driver's Side)

The Auto-Down window is moved to its fully open position by pushing the switch. To stop at the desired position push the switch again.



7/29/2005, 10:35 AM





ADJUSTABLE SEATS
Adjusting Seat Forward and Rearward



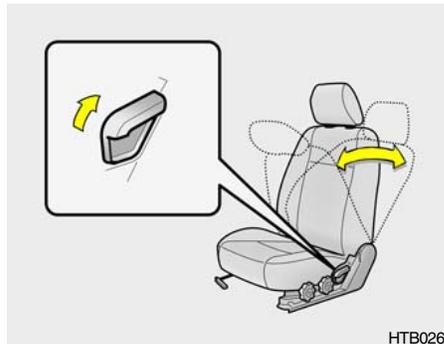
HTB024

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

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

B080C01A-AAT

Adjusting Seatback Angle



HTB026

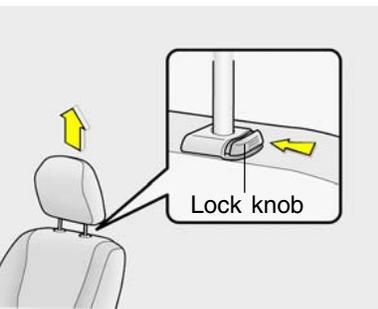
To recline the seatback, lean forward to take your weight off it, then pull up on the recliner control lever at the outside edge of the seat. Now lean back until the desired seatback angle is achieved. To lock the seatback into position, release the recliner control lever.





JM-AAT

Adjustable Headrests



HFC2028

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

To raise the headrest, pull it up. To lower it, push it down while pressing the lock knob. To remove the headrest, push it as far as it can go then press the lock knob while pulling upward. This should only be done when the seat is unoccupied.

! **WARNING:**



B080D01JM

- o For maximum effectiveness in case of an accident, the headrest should be adjusted so the middle of the headrest is at the same height as the top of the occupant's eyes. For this reason, the use of a cushion that holds the body away from the seatback is not recommended.



7/29/2005, 10:36 AM





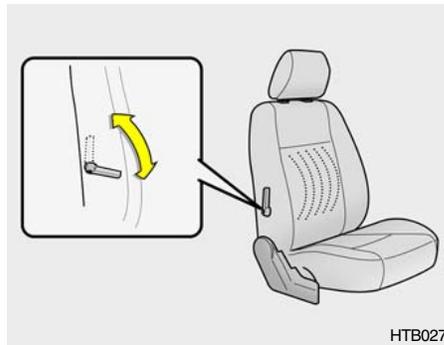
NF-AAT
Active Headrests (If Installed)



HNF2041-1

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

B080E010-AAT
**Lumbar Support Control
(Driver's Seat Only) (If Installed)**



HTB027

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



7/29/2005, 10:36 AM





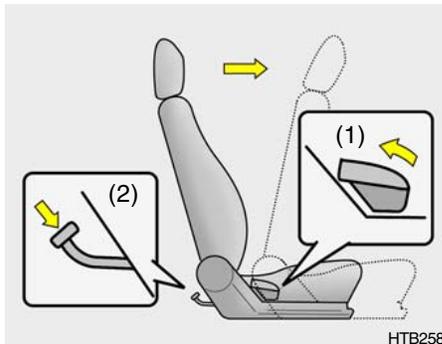
A-GAT
**Adjusting Armrest Angle
(Driver's side only)**



HTB2049

The armrest will be raised or lowered automatically.
To raise the armrest, pull it up.
To lower it, press the armrest down.

B130A01A-AAT
**REAR SEAT ENTRY
(For 3-door model)**



HTB258

The front passenger seatback should be tilted to enter the rear seat.
By pulling up on the recliner control lever (1) at the outside of the front passenger seat, the seatback will tilt forward and the seat will automatically slide forward.
Rear seat occupants can tilt the front passenger seatback by depressing the foot lever (2) as shown in the illustration.

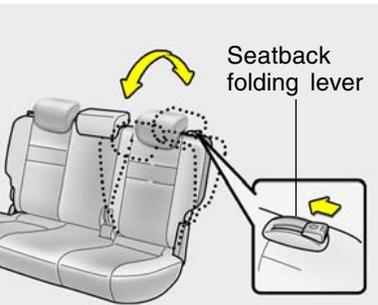


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FC-GAT
FRONT SEAT
Adjusting Seatback Angle



B080I01TB

To recline the seatback, push the seatback folding lever toward the headrest and release it after the desired seatback angle is achieved. When you recline the seatback to the upright position, always be sure it has locked into position.



CAUTION:

When reclining the seatback you should adjust the seatback folding lever while standing.



7/29/2005, 10:36 AM





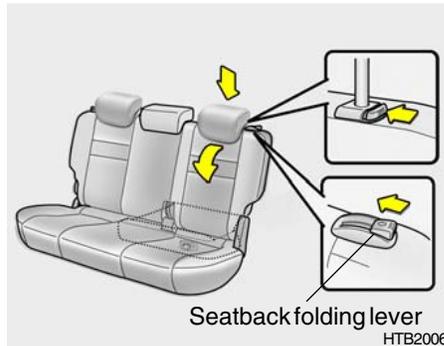
der to prevent the shoulder belt being damaged while folding the seat, the shoulder belt must be ed through the hanger to keep it f the way.

CAUTION:
belts must be removed from the er when in use.

B090B01TB-GAT

Folding Rear Seatback and Seat Cushion

For greater convenience, the entire seatback and seat cushion may be folded down and up.

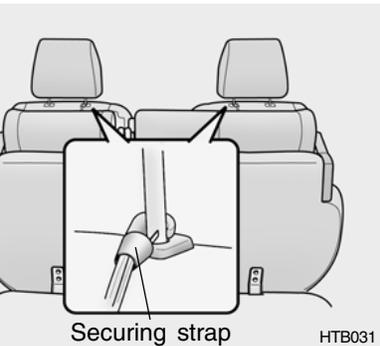


1. Push the headrest down to the lowest position.
2. To fold down the seatback , push and hold the seatback folding lever toward the headrest, then push down the seatback.



7/29/2005, 10:36 AM





To secure the seat, hook the securing strap under the seat back to the headrest stay of front driver and passenger seat.

To return the seatback and seat cushion to its normal position, reverse the above procedure.

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

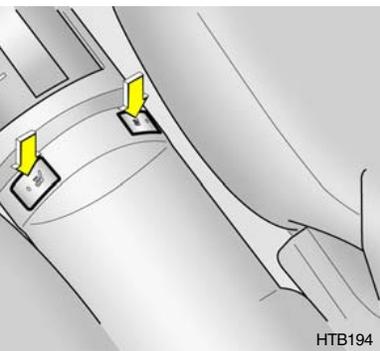
! WARNING:

- o When you return the folded down seatback to its upright position, make sure the seat belts are in position to be accessible and to function properly.
- o When you return the folded down seatback to its upright position, be careful not to get your fingers or legs in.
- o The purpose of the fold down rear seatback and the fold forward rear seat cushion is to increase cargo space. Do not allow passengers to sit in the cargo area while the car is moving. This is not a proper seating position and no seat belts are available for use when the seatback is folded down. Passengers who are not properly seated and wearing seat belts could sustain serious injuries or death in case of an accident or a sudden stop.





TB-GAT
SEAT WARMER (If installed)



The seat warmer is provided to warm front seats during cold weather. Turn the ignition key in the "ON" position and push either of the switches to the driver's seat or the passenger's seat.

In mild weather or under conditions where the operation of the seat warmer is not needed, keep the switches in the "OFF" position.

NOTE:

- o The seat warmer will not operate if the ambient temperature is higher than 37°C (98.6°F).
- o If the seat warmer doesn't work when ambient temperature is lower than 28°C (82.4°F), it should be checked at an authorized dealer.

! **WARNING:**
It is recommended that the seat heater not be used when elderly people or people who are ill occupy the seat. Also, do not use the seat warmer if the occupant is sleeping.



7/29/2005, 10:36 AM





SEAT BELT PRECAUTIONS

Occupants of the vehicle should wear their seat belts at all times. In some countries, your province's laws may require that some or all occupants of the vehicle use seat belts.

The possibility of injury or the severity of injury in an accident will be decreased if this elementary safety precaution is observed. In addition, the following recommendations are made:

Infant or Small Child

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

NOTE:
Infants and small children are best protected in an accident when properly restrained by a child restraint system.

Larger Children

Children who are too large for child restraint systems should 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 rear facing child seat in the front seat of a vehicle.





A-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 upright 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.

would be applied there, not at your pelvic bones.
This could cause serious internal injuries.
For proper protection when the vehicle is in motion, have the seatback upright. Then sit back in the seat and wear your seat belt properly. See page 1-25.

B160A01A-AAT

CARE OF SEAT BELTS

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



WARNING:
Sitting in a reclined position or lying down when your vehicle is in motion can be dangerous. Even if you buckle up, your seat belts can't do their job when you're reclined. The shoulder belt can't do its job either because it won't be against your back. Instead, it will be in front of you. In a crash you could go into the air with great force, receiving serious injuries. The lap belt can't do its job either. In a crash the belt could go up over your abdomen. The belt forces

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.

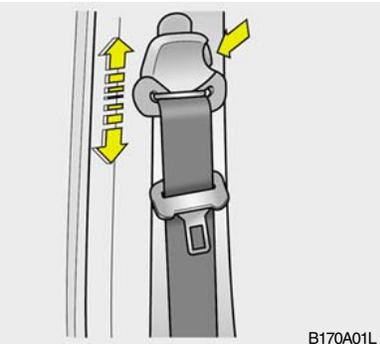


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HEIGHT ADJUSTABLE FRONT SEAT SHOULDER BELT (if installed)



You can adjust the height of the shoulder belt anchor to one of the 4 posi-

tion. If the height of the adjusting seat belt is too low (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 is positioned midway over your shoulder nearest the front 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 release button to make sure that it has locked into the position.

! WARNING:

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





so lock if you try to lean forward quickly. Check to make sure that the seat belt is properly locked and that the seat is not twisted.

B265E01TB-GAT



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

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

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

B265E01TB-GAT

Seat Belt Warning Light (Except E.C)

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

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

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

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



NOTE:

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

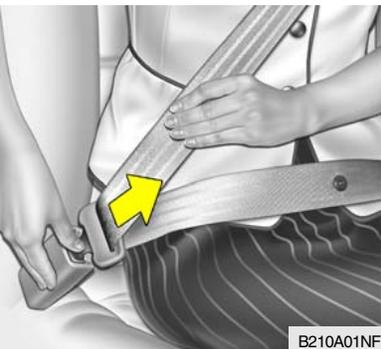


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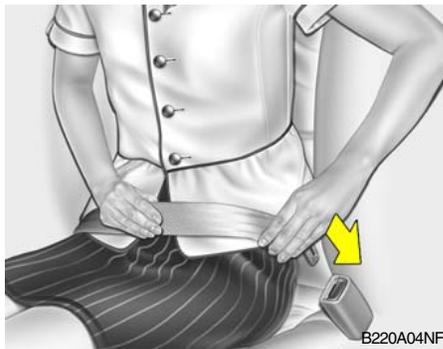
Release the Seat Belt



B210A01NF

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

SEAT BELTS (2-Point Static Type) (Rear Seat Center) (If Installed) To Fasten Your Seat Belt



B220A04NF

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





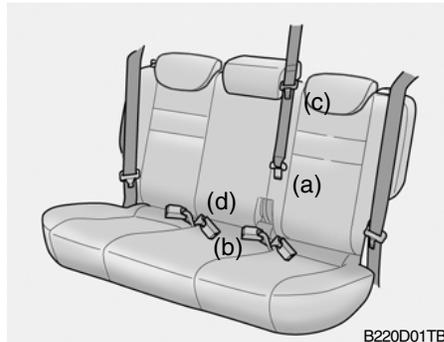
A-AAT
Release the Seat Belt



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

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

B220D02Y-GAT
SEAT BELTS - Rear Seat Center's 3-Point System With Emergency Locking Retractor (If installed)



1. Before fastening the rear seat center belt, confirm the metal tab (a) and buckle (b) are latched together.
2. After confirming that (a) and (b) are latched, pull the seat belt out of the retractor and insert the metal tab (c) into the buckle (d).

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

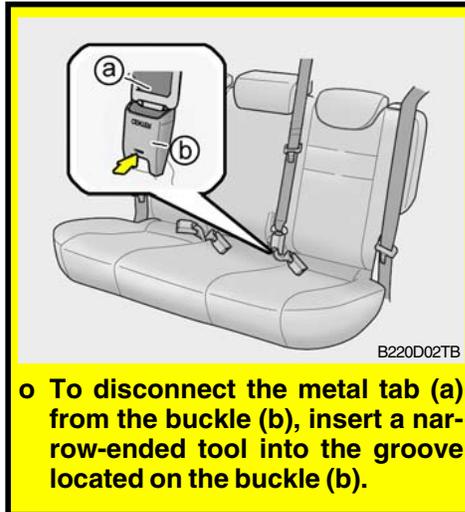


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WARNING:
When using the rear seat center belt, you must lock all metal tabs and buckles. If any metal tab or buckle is not locked, it will increase the chance of injury in the event of collision.
Never unlock the metal tab (a) and the buckle (b) with the following exceptions.
)In case of folding rear seatbacks down.
If transporting an object on the rear seat may cause damage to the rear seat center belt.
Lock the metal tab (a) and the buckle (b) immediately after folding rear seatbacks up.



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





A-GAT
CHILD RESTRAINT SYSTEM
(stalled)

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

Children are required by law to use safety seats for children. If small children are in your vehicle you must put them in a child restraint system (safety seat). Children could be injured or killed in a crash if their restraints are not properly used. For small children and babies, a child seat or infant seat must be used. Before buying a particular child restraint system, make sure it fits your car and seat belts, and fits your child. Read all the instructions provided by the manufacturer when installing the child restraint system.

 **WARNING:**

- o **A child restraint system must be placed in the rear seat. Never install a child or infant seat on the front passenger's seat. Should an accident occur and cause the passenger side airbag to deploy, it could severely injure or kill an infant or child seated in an infant or child seat. Thus, only use a child restraint in the rear seat of your vehicle.**
- o **Since a safety belt or child restraint system can become very hot if it is left in a closed vehicle, be sure to check the seat cover and buckles before placing a child there.**
- o **When the child restraint system is not in use, store it in the luggage compartment 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.**



7/29/2005, 10:36 AM





Never allow a child to stand up or
kneel on the seat.

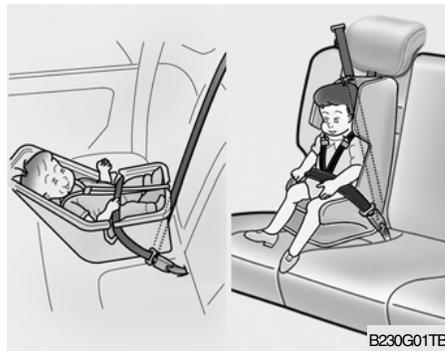
Never use an infant carrier or child
safety seat that "hooks" over a
seatback; it may not provide ad-
equate security in an accident.

Never allow a child to be held in a
person's arms while they are in a
moving vehicle, as this could re-
sult in serious injury to the child
in the event of an accident or a
sudden stop. Holding a child in a
moving vehicle does not provide
the child with any means of pro-
tection during an accident, even if
the person holding the child is
wearing a seat belt.

If the child restraint seat is not
anchored properly, the risk of a
child being seriously injured or
killed in a collision greatly in-
creases.

B230G01A-GAT

Installation on Outboard Rear Seats



B230G01TB

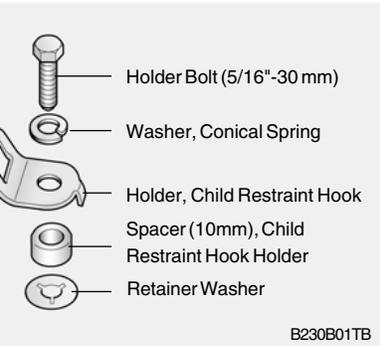
To install a child restraint system in the
outboard rear seats, extend the shoul-
der/lap belt from its retractor. Install
the child restraint system, buckle the
seat belt and allow the seat belt to take
up any slack. Make sure that the lap
portion of the belt is tight around the
child restraint system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





A-GAT
**Securing a Child Restraint System
 "Tether Anchorage" Sys-**

B230E02FC-GAT
**Securing a Child Restraint Sys-
 tem with "Tether Anchorage"
 System**



Three child restraint hook holders are located on the vertical back panel. (behind rear bumper bar)

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



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



7/29/2005, 10:36 AM

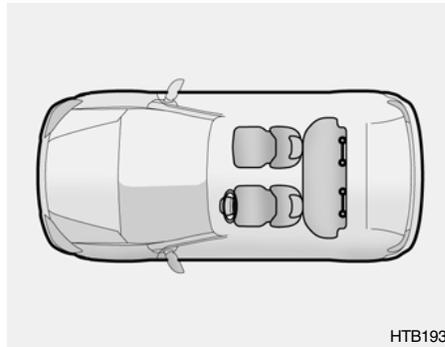




WARNING:
Install the Child Restraint Seat, safety reasons the Seat should be positioned rear-most with the back in a vertical position, not tilted.

B230D04E-GAT

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



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

An ISOFIX-seat can only be installed if it has vehicle-specific approval in accordance with the requirements of ECE-R44. For your Hyundai, the Hyundai ISOFIX GR1 / Hyundai Duo / Römer ISOFIX GR1 and the Römer Duo ISOFIX / Britax Duo ISOFIX is approved ac-

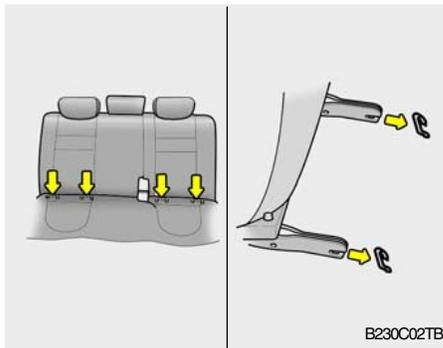




Each side of the rear seat, between the seat cushion and backrest, are located two sets of ISOFIX anchorage points together with a top tether mounting on the luggage compartment. During the installation, the seat has to be engaged at the anchorage-points in a way you can hear it clicking (check by pulling!) and the seat has to be fixed with the Top Tether-belt to the belonging point in the luggage-compartment. The installing and the un-installing of a child-seat has to be done according to the installing-manual, which is added to the ISOFIX-seat.

NOTE:
An ISOFIX-child-seat can only be used if the seat has a vehicle-specific approval according to ECE-R44-04. Before using the ISOFIX-child-seat, which was bought for another vehicle, ask your Hyundai-dealer whether the seat-type is approved and recommended for your Hyundai.

To secure the child restraint seat



1. To engage the child restraint seat to the ISOFIX anchor, insert the child restraint seat latch into the ISOFIX anchor. Listen for the audible "click" sound.
2. Connect the tether strap hook to the child restraint hook holder and tighten to secure the seat. Refer to "Securing a Child Restraint System with the Tether Anchorage System" on page 1-30.



7/29/2005, 10:36 AM





Unlatched metal latch plates or clips may allow the child to reach the unretracted seat belts which may result in strangulation and a serious injury or death to the child in the child restraint.

Do not mount more than one child restraint to a child restraint lower anchorage point. The improper increased load may cause the anchorage points or tether anchor to break, causing serious injury or death.

Attach the ISOFIX or ISOFIX-compatible child restraint seat only to the appropriate locations shown in the illustration.

Always follow the installation and the instructions provided by the manufacturer of the child restraint.

B230H01TB-GAT

Child Seat Restraint Suitability For Seat Position

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

Age Group	Seating Position		
	Front Passenger	Rear Outboard	Rear Center
0 : Up to 10 kg (0 ~ 9 months)	X	U	X
0+ : Up to 13 kg (0 ~ 2 years)	X	U	X
I : 9kg to 18kg (9 months ~ 4 years)	X	U, L1	X
II & III : 15kg to 36kg (4 ~ 12 years)	X	UF	X

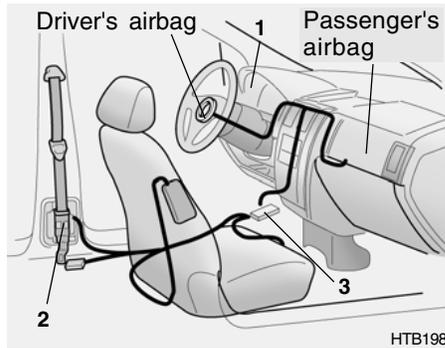


7/29/2005, 10:36 AM





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



The seat belt pre-tensioner system consists mainly of the following components.

Their locations are shown in the illustration.

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



7/29/2005, 10:36 AM





Although it is harmless, the fine dust may cause skin irritation and should not be breathed for prolonged periods. Wash your hands and face thoroughly after an accident in which the pre-tensioner seat belts were activated.

illuminates while the vehicle is being driven, please have an authorized Hyundai dealer inspect the pre-tensioner seat belt or SRS airbag system as soon as possible.

CAUTION:

Because the sensor that activates the SRS airbag is connected with the pre-tensioner seat belt, the SRS airbag warning light  on the instrument panel will blink 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 system. If the SRS airbag warning light does not illuminate when the ignition key is turned to "ON", or if it remains illuminated after blinking for approximately 6 seconds, or if it

WARNING:

- o Pre-tensioners are designed to operate only one time. After activation, pre-tensioner seat belts must be replaced. All seat belts, of any type, should always be replaced after they have been worn during a collision.
- o 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.
- o Do not attempt to inspect or replace the pre-tensioner seat belts yourself. This must be done by an authorized Hyundai dealer.
- o Do not strike the pre-tensioner seat belt assemblies.





TB-GAT
**PLEMENTAL RESTRAINT
 (BAG) SYSTEM (If Installed)**

Driver's Airbag



B240B01TB

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

Hyundai SRS consists of airbags located 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 protect 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.

NOTE:

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

! WARNING:

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



7/29/2005, 10:36 AM





The driver should sit back as far as possible while still maintaining control of the vehicle. If you are sitting too close to the airbag, it can cause death or serious injury when it inflates.

Objects should be placed over the front passenger seat near the airbag modules on the steering wheel, instrument panel, and the front passenger's instrument 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.

After the airbags deploy, they must be replaced by an authorized Hyundai dealer.

Do not tamper with or disconnect SRS wiring, or other components of the SRS system. Doing so could result in injury, due to accidental firing of the airbags, or by rendering the SRS inoperable.

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.

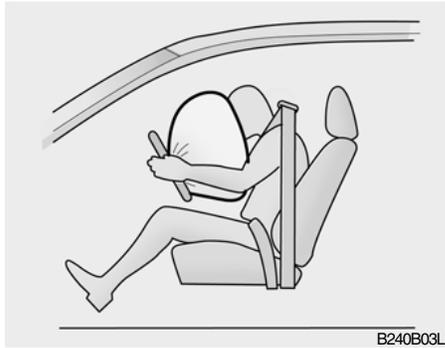
- o Do not allow children to ride in the front passenger seat. If older children (teenagers and older) must ride in the front seat, make sure they are always properly belted and that the seat is moved back as far as possible.
- o For maximum safety protection in all types of crashes, all occupants including 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.
- o 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.





B240B02L

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



B240B03L

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



7/29/2005, 10:36 AM





CAUTION:
 Do not install or place any accessories (cup holder, drink holder, cassette holder, etc) on the front passenger's air bag. Do not place any items above the glove box in a vehicle with passenger's air bag. Such items may become dangerous projectiles and cause injury if the passenger's air bag inflates.

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



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

WARNING:

- When the SRS is activated, there may be a loud noise and fine dust will be released throughout the vehicle. These conditions are normal and are not hazardous. However, the fine dust generated during airbag deployment may cause skin irritation. Be sure to wash your hands and face thoroughly with lukewarm water and a mild soap after an accident in which the airbags were deployed.





TB-GAT

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



The passenger's front airbag can be deactivated by the passenger's front airbag ON/OFF switch (1) if a child restraint is installed on the front passenger's seat or if the front passenger's seat is unoccupied by a person.

To ensure the safety of your child, the passenger's front airbag must be deactivated when it should be necessary to install a rearward facing child seat on the front passenger seat in exceptional circumstances.

To deactivate or reactivate the passenger's front airbag

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

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



7/29/2005, 10:36 AM





If the SRS airbag warning light does not illuminate when the ignition key is turned to the "ON" position, or if it illuminates while the vehicle is being driven, have an authorized Hyundai dealer inspect the passenger's front airbag ON/OFF switch, pre-tensioner seat belt and the SRS airbag system as soon as possible.



WARNING:

- o The driver is responsible for the proper position of the passenger's front airbag ON/OFF switch.
- o Deactivate the front passenger's airbag only when the ignition switch is switched off, or the malfunction may occur in the SRSCM (SRS Control Module). And there may be a danger that the driver's and/or passenger's front and/or side airbag may fail to trigger, or not trigger correctly during a collision.
- o Never install a rearward facing child seat on the front passenger's seat. The infant or child could be severely injured or killed by an airbag deployment in case of an accident.





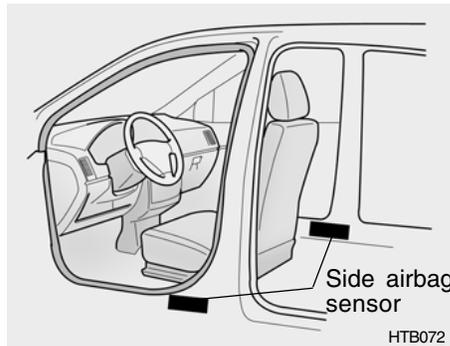
TG-GAT

Impact Airbag (If Installed)



B990B02Y

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



Side airbag sensor

HTB072

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:

- o 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.



7/29/2005, 10:36 AM





Do not place any objects (an umbrella, bag, etc.) between the front floor and the front seat. Such objects may become dangerous projectiles and cause injury if the supplemental side impact air bag inflates.

To prevent unexpected deployment of the side impact air bag that may result in personal injury, avoid impact to the side airbag sensor when the ignition key is in the ON position.

B240C01Y-GAT

SRS Care

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

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



7/29/2005, 10:36 AM





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.

Objects should be placed over 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.

When 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 deployment of the airbags or by rendering the SRS inoperative.

o Do not install a child restraint system in the front passenger seat position.

o 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.

o 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.



7/29/2005, 10:36 AM





FEATURES OF YOUR HYUNDAI **1-45**

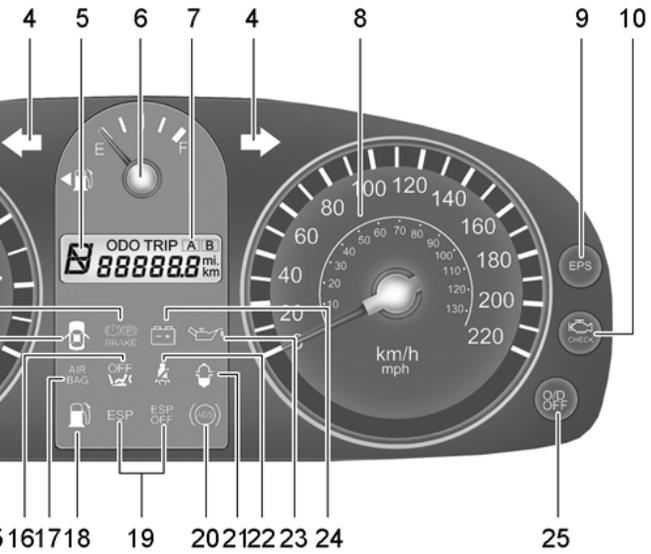


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OR LIGHTS



B260A01TB



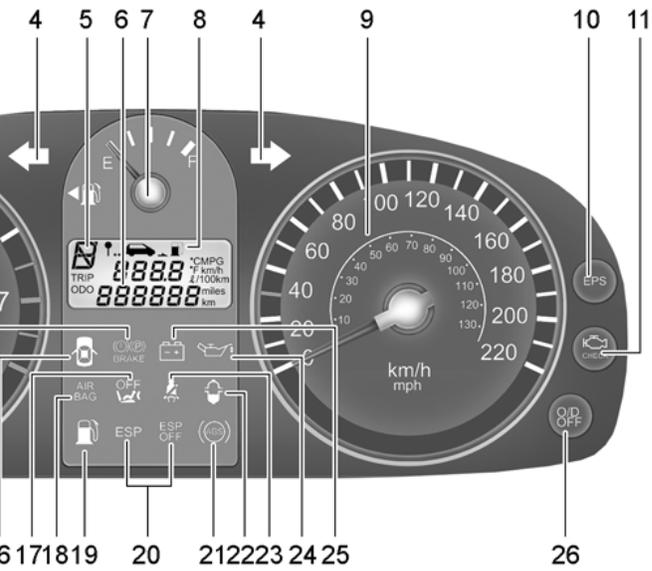
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- 15. Door Ajar Warning Light
- 16. Passenger's Front Airbag OFF Indicator Light
(If installed)
- 17. SRS (Airbag) Warning Light
(If installed)
- 18. Low Fuel Warning Light
- 19. Electronic Stability Program (ESP) Indicator Light
(If installed)
- 20. ABS Warning Light (If installed)
- 21. Fuel Filter Warning Light (Diesel only)
- 22. Seat Belt Warning Light
- 23. Oil Pressure Warning Light
- 24. Charging System Warning Light
- 25. Overdrive off Indicator Light (Auto T/A only)





B260B01TB



7/29/2005, 10:36 AM





- 14. Engine Coolant Temperature Indicator Light
- 15. Parking Brake/Brake Fluid Level Warning Light
- 16. Door Ajar Warning Light
- 17. Passenger's Front Airbag OFF Indicator Light
(If installed)
- 18. SRS (Airbag) Warning Light (If installed)
- 19. Low Fuel Warning Light
- 20. Electronic Stability Program (ESP) Indicator Light
(If installed)
- 21. ABS Warning Light (If installed)
- 22. Fuel Filter Warning Light (Diesel only)
- 23. Seat Belt Warning Light
- 24. Oil Pressure Warning Light
- 25. Charging System Warning Light
- 26. Overdrive Off Indicator Light (Auto T/A only)





NF-GAT

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

Passenger's front airbag OFF indicator illuminates for about 4 seconds after the ignition key is turned to the ON position or after the engine is started, and then it will go off in 3 seconds.

Passenger's front airbag OFF indicator also comes on when the passenger's front airbag ON/OFF switch is set to "OFF" position and turns off when the passenger's front airbag ON/OFF switch is set to "ON" position.



CAUTION:

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



7/29/2005, 10:36 AM





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

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.

A-AAT

O/D OFF Indicator (Automatic transaxle only) (If Installed)

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

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.





DA-AAT

Parking Brake/Brake Fluid Level Warning Light

WARNING:

If you suspect brake trouble, have your brakes checked by a Hyundai dealer as soon as possible. Driving a car with a problem in either the 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 warning light indicates that the brake fluid level in the brake master cylinder is low and hydraulic brake fluid conforming to DOT 3 or DOT 4 specifications should be added. After adding fluid, if no other trouble is found, the car should be immediately and carefully driven to a Hyundai dealer for inspection. If further trouble is experienced, the vehicle should not be driven at all but taken to a dealer by a professional towing service or some other safe method.

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



7/29/2005, 10:36 AM





Tail Gate Open Warning Light

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

Door Ajar Warning Light

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

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 refuel as soon as possible. Driving with the fuel level warning light on or the fuel level below "E" can cause the engine to misfire and damage the catalytic converter.

Malfunction Indicator Light (If installed)

This light illuminates when there is a malfunction of an exhaust gas related component, and the system is not functioning properly so that the exhaust gas regulation values are not satisfied. This light will illuminate when the ignition key is turned to the "ON" position, and will go out after the engine start. 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.

Seat Belt Warning Light (Except E.C)

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





E:
driver's seat belt is operated in
order "unbuckled → buckled →
unbuckled → buckled → unbuck-
led within 9 seconds after the seat
belt is buckled, the seat belt warning
and chime will not activate.

B260T01TB-GAT

EPS **Electric Power
Steering System (EPS)
Warning Light
(If installed)**

This indicator light comes on about 4 seconds after the ignition key is turned to the "ON" position or after the engine is started, it will go out.

This light also comes on when the EPS has some troubles. If it comes on while driving, have your vehicle inspected by an authorized Hyundai Dealer.



CAUTION:

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



7/29/2005, 10:36 AM





B260S01B-GAT

Immobilizer Indicator Light (If installed)

The immobilizer indicator light comes on for some seconds after the ignition key is turned to the "ON" position. At this time, you cannot start the engine. The light goes out when 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 the light blinks for five seconds when the ignition key is turned to "ON" position, this indicates that the immobilizer system is out of order. At this time, refer to the explanation of the Limp Home mode procedure (See page 1-6) or consult the Hyundai dealer.

B260S01B-GAT



Diesel Pre-heat Indicator Light-Amber (Diesel Engine)

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

NOTE:

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



7/29/2005, 10:36 AM





The indicators show the temperature of the engine coolant when the ignition switch is ON. Red indicator illuminates when the temperature of the engine coolant is above $120\pm 3^{\circ}\text{C}$ ($393\pm 5.5^{\circ}\text{F}$). Blue indicator illuminates if the temperature of the engine coolant is below $140\pm 5.5^{\circ}\text{F}$. If the red indicator illuminates, pull over as soon as possible and turn off the engine. Then open the hood and check the coolant level (See "If the engine overheats" on the page 3-4.) and check the water pump drive belt. If you suspect cooling system trouble, have your cooling system checked by a Hyundai dealer as soon as possible.

E:
If the red engine temperature indicator illuminates, it indicates overheating that may damage the engine.

B900A01A-GAT

ACOUSTIC WARNING SOUND (If Installed)

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

B270A01A-AAT

BRAKE PAD WEAR WARNING SOUND

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



7/29/2005, 10:36 AM





A-GAT SPEEDOMETER

A Type



B Type



B330A01TB

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

B330A02A-AAT TACHOMETER

A Type



B Type



B330A01TB

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.





Trip odometer

This mode indicates the drive distance travelled since the last drive distance reset.

Pressing the trip switch for more than 1 second, when the drive distance is being displayed, clears the drive distance to zero.

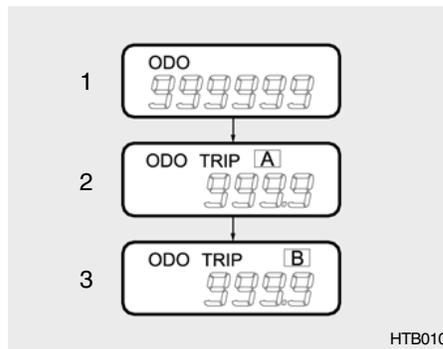
Refer to the explanation of the trip computer (see page 1-61, Drive Distance).

TYPE (WITHOUT TRIP COMPUTER)

Operation of digital odometer/trip meter

Pressing in the reset switch when the odometer switch is turned "ON" will display the following sequence:

1. Odometer



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

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

2,3 Trip odometer

Records the distance of 2 trips in kilometers or miles.



7/29/2005, 10:36 AM

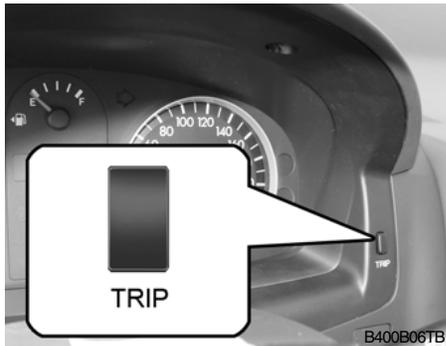


TRIP COMPUTER (If Installed)



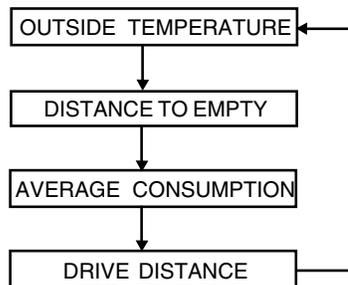
B400B01TB

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



Trip Computer Switch

- o The trip computer switch is used to zero the multi-functional display mode.
- o Pushing in the trip computer switch changes the display as follows;



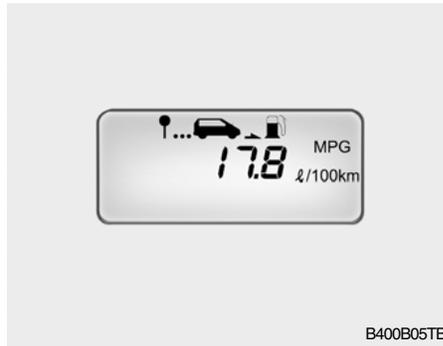


This mode indicates the estimated distance to empty from the current fuel level in the fuel tank and distance to empty symbol.

When refueling with more than 6 gallons, the trip computer will recognize refueling.

When the battery has been reinstalled after being discharged or disconnected, drive more than 64km for an accurate distance to empty.

3. Average Consumption



E:

When the distance to empty is less than 50 km, the symbol will always come on and the distance to empty digits will indicate "----" with a dash until more fuel is added.

The distance to empty can differ from the actual tripmeter according to driving conditions.

The distance to empty can vary according to the driving conditions, driving pattern or vehicle speed.

- o This mode indicates the average consumption since the data reset.
- o It displays per 10 seconds after you drive over 50m and 10 seconds.
- o Calculation Method



MPG =	$\frac{\text{Total Cruise Distance (Miles)}}{\text{Total Fuel Consumption (G)}}$
L/100km =	$\frac{\text{Total Fuel Consumption (L)} \times 100}{\text{Total Cruise Distance (km)}}$



7/29/2005, 10:36 AM

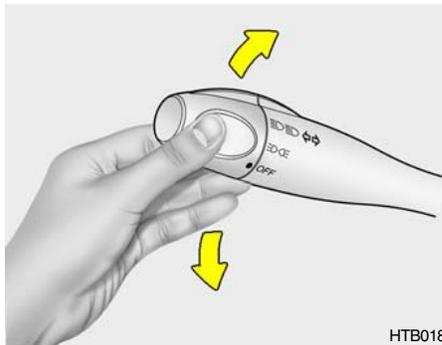




A-AAT
**COMBINATION TURN SIGNAL,
LOWLIGHT AND HIGH-BEAM
CATCH
Signal Operation**

Pushing 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 the turn signals at the same time. If the turn signal indicator light blinks 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 contact 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.





(ing light auto cut stalled)

u do not turn the parking lights " after driving, the parking light automatically shut "OFF" when the r's door is opened. urn them "ON" again you must y turn the ignition key to the "ON" on.

(ime Running Lights stalled)

Hyundai is equipped with day-running lights. The daytime run- lights are used to improve visibil- r oncoming traffic. Your vehicle me running lights are designed to in on continuously when the en- s operating even though the head- switch is in the "OFF" position. ever, the daytime running lights e off while the parking brake is ed.

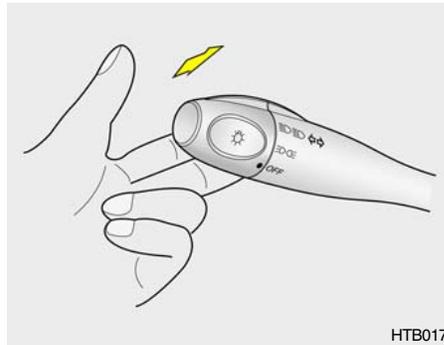
B340D01A-AAT

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.



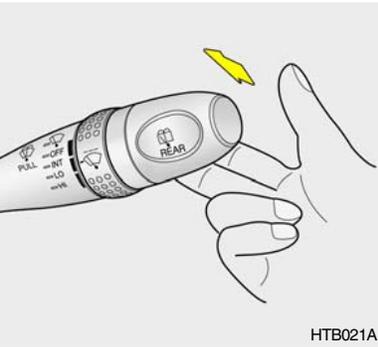
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operate the heater in the defrost mode to melt the snow or ice before operating the wiper.

Windshield Washer Operation



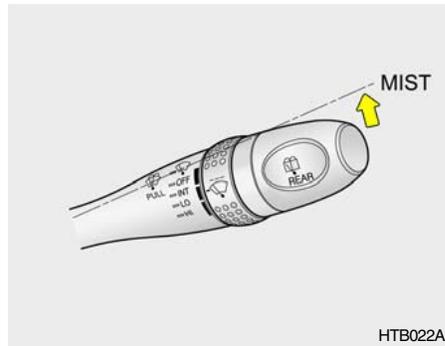
HTB021A

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

NOTE:

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

Mist Wiper Operation



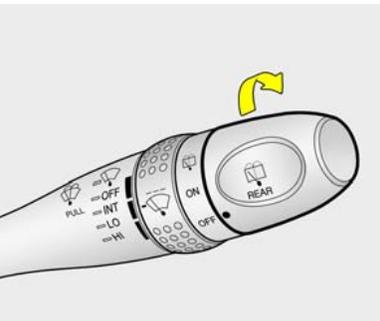
HTB022A

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





HTB-AAT
**Gate Wiper And Washer
Switch (If installed)**



HTB023A

The washer fluid will be sprayed onto the rear window and the rear wiper operates while the rear window wiper barrel is placed in this position.

When the point indicates "ON", the rear window wiper operates continuously.

F

B370A01A-AAT
HAZARD WARNING SYSTEM



The hazard warning system should be used whenever you find it necessary to stop the car in a hazardous location. When you must make such an emergency stop, always pull off the road as far as possible.

The hazard warning lights are turned on by pushing in on the hazard switch. This causes all turn signal lights to blink. The hazard warning lights will operate even though the key is not in the ignition.

To turn the hazard warning lights off, push in on the switch a second time.



7/29/2005, 10:36 AM





CAUTION:
Do not clean the inner side of the window glass with an abrasive or use a scraper. Do not use glass cleaner or use a scraper to move 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 window defroster to operate.

B360B01FC-GAT

FRONT FOG LIGHT SWITCH (If Installed)



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





A-AAT DIGITAL CLOCK



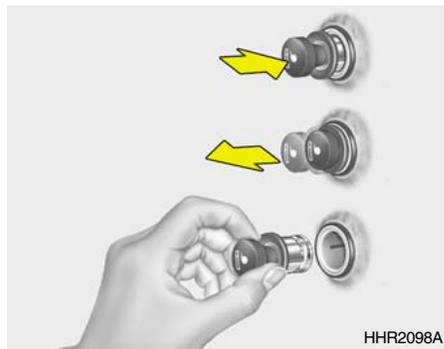
There are three control buttons for the digital clock. Their functions are:

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

Pushing "R" between 10 : 30 and 11 : 30 changes the readout to 11 : 00.

Pushing "R" between 11 : 30 and 12 : 30 changes the readout to 12 : 00.

B420A02A-AAT CIGARETTE LIGHTER



For the cigarette lighter to work, the key must be in the "ACC" position or the "ON" position.

To use the cigarette lighter, push it all the way into its socket. When the element has heated, the lighter will pop out to the "ready" position.

Do not hold the cigarette lighter pressed in. This can damage the heating element and create a fire hazard.

If it is necessary to replace the cigarette lighter, use only a genuine Hyundai replacement or its approved equivalent.



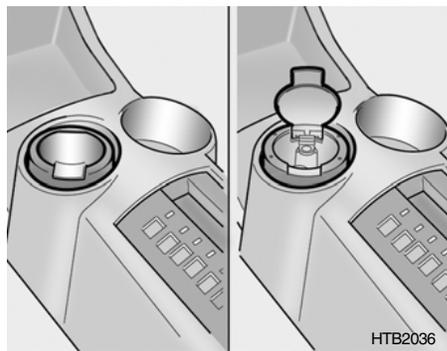
7/29/2005, 10:37 AM





CAUTION:
Do not use the power outlet to connect electric accessories or equipment other than those designed to operate on 12 volts. Some electronic devices can cause electronic interference when plugged into the power outlet. These devices may cause excessive audio noise and malfunctions in other electronic systems or devices used in your vehicle.

B430A01TB-GAT
FRONT ASHTRAY

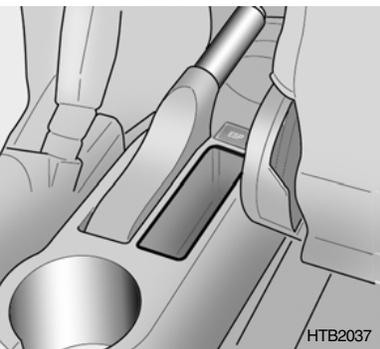


The front ashtray may be opened by pulling it up by its top edge. To close the ashtray cover firmly, let the lid grip protrude outside. To remove the ashtray to empty or clean it, pull the cover up all the way out. Either holder can be a drink holder or a ashtray holder.





TB-GAT
SOLE TRAY



is multipurpose receipts to ac-
pens or CD case in the console

B340G01S-GAT
**HEADLIGHT LEVELING DEVICE
SYSTEM (If Installed)**



To adjust the headlight beam level ac-
cording to the number of the passen-
gers and the loading weight in the lug-
gage area, turn the beam leveling switch.
The higher the number of the switch
position, the lower the headlight beam
level. Always keep the headlight beam
at the proper leveling position, or head-
lights may dazzle other road users.
Listed below are the examples of proper
switch settings. For loading conditions
other than those listed below, adjust
the switch position so that the beam
level may be the nearest as the condi-
tion obtained according to the list.

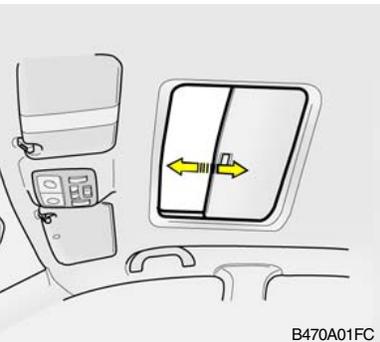


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Y-AAT
**ROOF (If installed)
Shade**

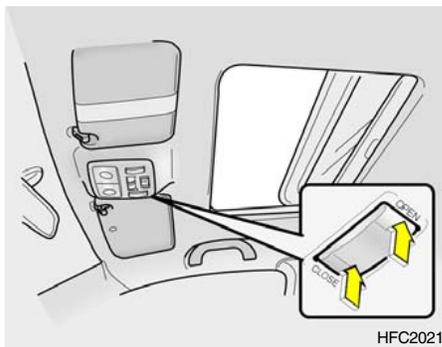


B470A01FC

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

WARNING:
Do not adjust the sunshade while driving.

B460B01GK-GAT
Opening the Sunroof System



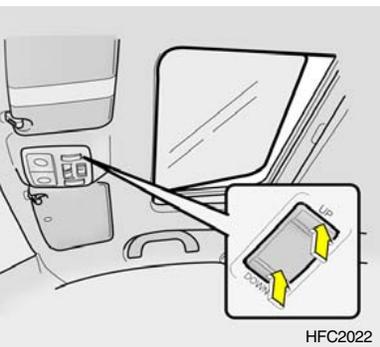
HFC2021

The sunroof can be electrically opened or closed with the ignition key in the "ON" position. The sunroof is moved to its fully open position by pushing the "Open" switch, and to stop at the desired position, push in any switches (Open, Close, Up, Down). To close, press and hold the "CLOSE" button. Release the button when the sunroof reaches the desired position.





Operating the Sunroof System



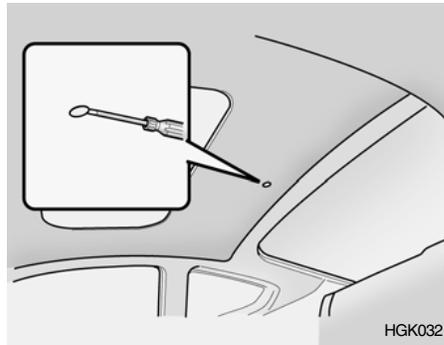
The sunroof is moved to its fully tilt up position by pushing the "UP" switch, and to stop at the desired position, push and hold in any switches (Open, Close, Down).

To tilt down, press and hold the "DOWN" button. Release the button when the sunroof reaches the desired position.

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

Manual Operation of Sunroof

If the sunroof does not electrically operate:



1. Remove the cap located in the rear roof panel by using a screw driver.



7/29/2005, 10:37 AM





HTB-GAT

Resetting the Sunroof System

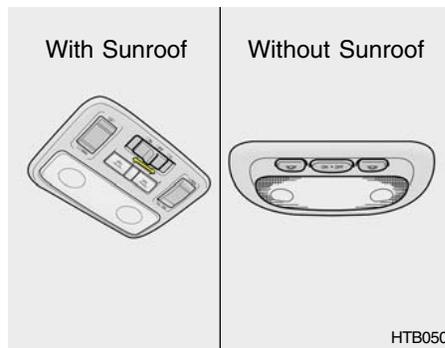
If the battery has been recharged, disconnected, if the sunroof is operated with the hexagonal head wrench normally, or if the sunroof operation is interrupted by that ignition key is turned to "OFF" position while it is moving, you may need to reset the sunroof.

To do this;
1. Turn the ignition switch "OFF".
2. With pressing "open" "up" button at the same time, turn the ignition switch "ON".
3. When the sunroof is set like this, the sunroof is reset with tilting up/down automatically once for all.

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

B480A01E-AAT

FRONT INTERIOR LIGHT Map Light



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





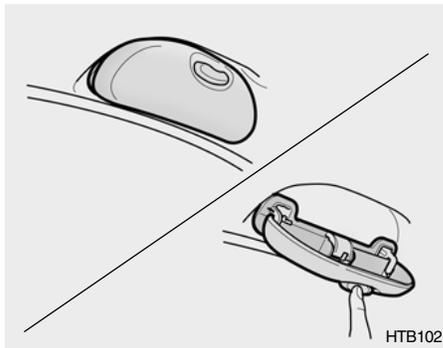
B
"DR" position, the interior courtesy light comes on when any door is opened regardless of the ignition key position. The light goes out gradually 6 seconds after the door is closed.

N
"ON" position, the light stays on all the times.

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

B491A01TB-GAT

SPECTACLE CASE (If Installed)



The spectacle case is located on the driver side of roof trim.
Pull the end of the cover to open the spectacle case.



7/29/2005, 10:37 AM





WARNING:
Avoid the possibility of injury in the event of an accident or a sudden stop. The glove box door should be closed when the car is in motion.

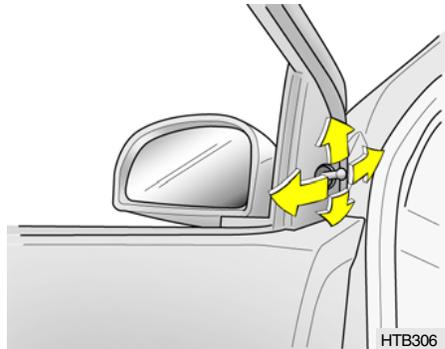
To open the glove box, pull on the glove box release lever.

Lighted Glove Box

When the glove box is open, the light will automatically turn on. The light will turn off when the multi-function switch is turned to the first/second position.

B510A01A-AAT

OUTSIDE REAR VIEW MIRROR Manual Type (If installed)



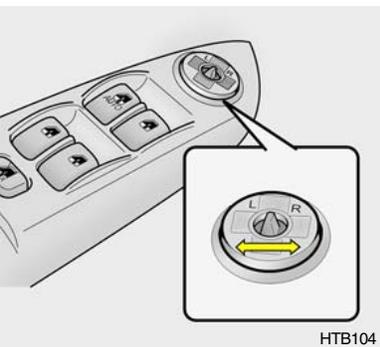
The outside rearview mirrors are equipped with a remote control for your convenience. It is operated by the control lever in the bottom front corner of the window.

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





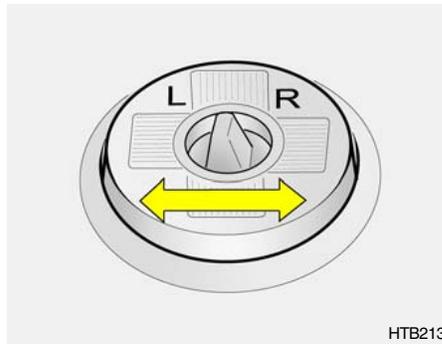
FC-GAT
Electric Type (If installed)



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

To adjust the position of either mirror:

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



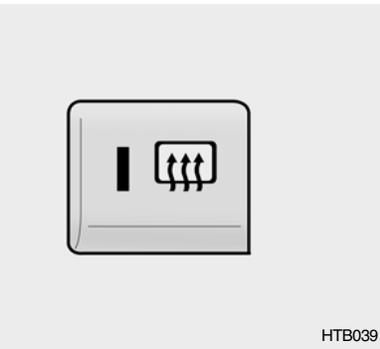
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HP-AAT

OUTSIDE REARVIEW MIRROR HEATER (If Installed)

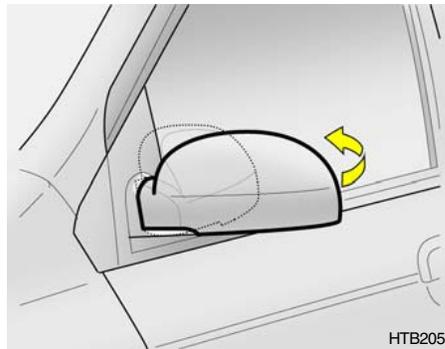


HTB039

The outside rearview mirror heater is installed in connection with the rear window defroster. To heat the outside rearview mirror glass, push in the switch on the rear window defroster. The outside 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.

B510C01A-AAT

FOLDING THE OUTSIDE REARVIEW MIRRORS



HTB205

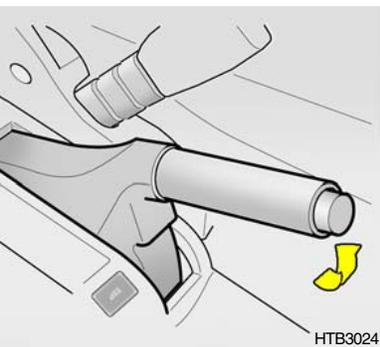
To fold the outside rearview mirrors, push them towards the rear. The outside rearview mirrors can be folded rearward for parking in narrow areas.

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





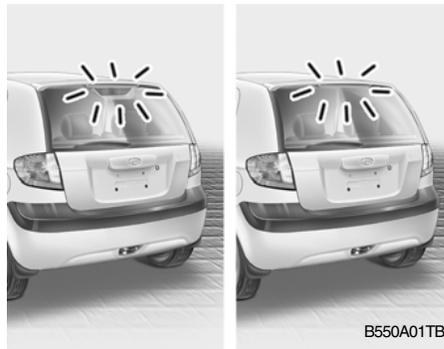
A-AAT PARKING BRAKE



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

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

B550A01S-GAT HIGH-MOUNTED REAR STOP LIGHT (If Installed)

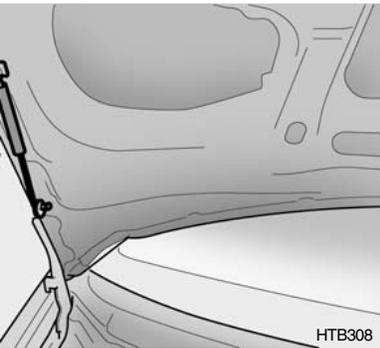


In addition to the lower-mounted rear stop lights on either side of the car, the high mounted rear stop light in the center of the rear window or inserted in the rear spoiler also lights when the brakes are applied.

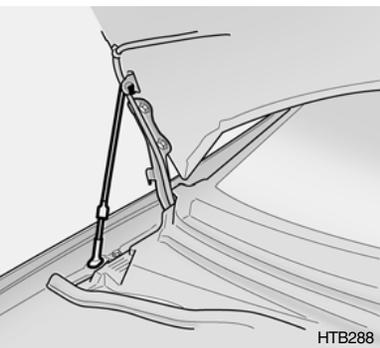


7/29/2005, 10:37 AM





Remove the support rod from the hood.



Hold the hood open with the support rod.

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



CAUTION:

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



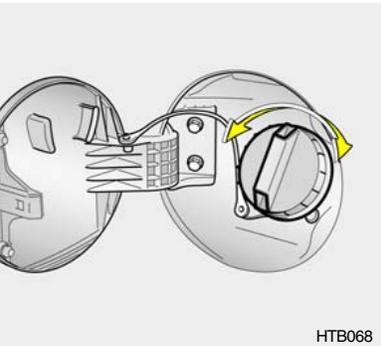
WARNING:

- o 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.
- o The support rod must be inserted completely into the hole provided in the hood whenever you inspect the engine compartment. This will prevent the hood from falling and possibly injuring you.





E:
The fuel-filler lid will not open if ice has formed around it. Gently pry or push on the lid to break the ice and release the lid. Do not pry on the lid. If necessary, spray the lid with an approved de-icing fluid (do not use radiator antifreeze) or move the vehicle to a warm area and allow the ice to melt.



HTB068

! WARNING:

- o Gasoline vapors are dangerous. Before refueling, always stop the engine and never allow sparks or open flames near the filler area. If you need to replace the filler cap, use a genuine Hyundai replacement part.
If you open the fuel filler cap during high ambient temperatures, a slight "pressure sound" may be heard. This is normal and not a cause for concern.
Whenever you open the fuel filler cap, turn it slowly.
- o Automotive fuels are flammable/explosive materials. When refueling, please note the following guidelines carefully.
- o Before touching the fuel nozzle or fuel filler cap, have one's hands in contact with metal parts away from the filler neck to discharge static electricity.

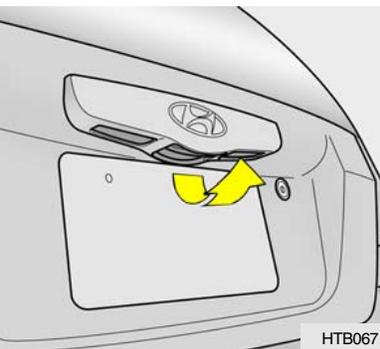


7/29/2005, 10:37 AM





FC-GAT
TAIL GATE



- o The tail gate can be locked or unlocked with a key.
- o The tail gate is opened by pulling the outside handle up, raising the tail gate manually.
- o To close, lower the tail gate, then press down on it until it is closed. To be sure the tail gate is fully closed, always try to pull it up again without using the outside handle.



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

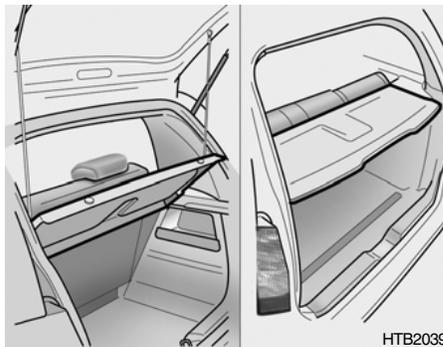




WARNING:
 Do not use when the passenger (especially the child) is in the rear seat, as the seatback holder could result in serious injury to the passenger in the event of an accident or sudden

B545A01TB-GAT
HOW TO USE LUGGAGE ROOM

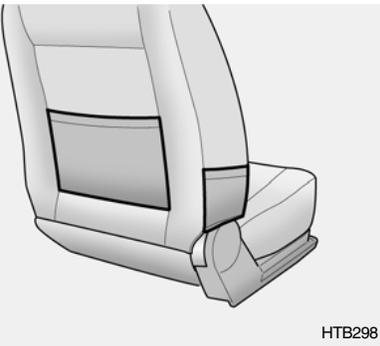
B650A01FC-GAT
Cargo Area Cover (If installed)



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



B545A01TB-GAT
SEAT POCKET (If installed)



The side pocket is located on the front passenger seat to accept scratch pads and so on. There are seatback pockets on the back side of the front seats (If installed)

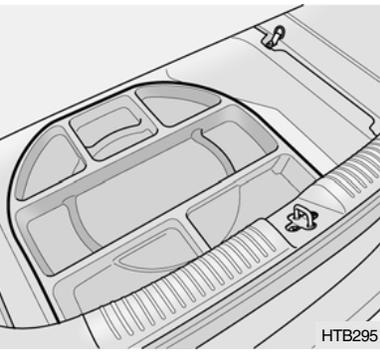


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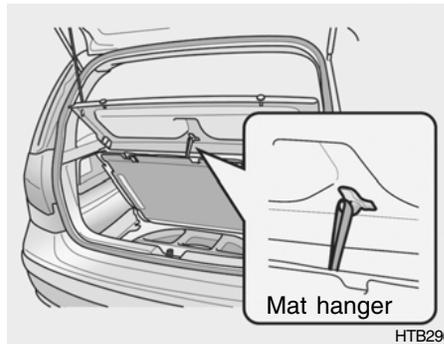




HTB-GAT
Luggage Under Tray (If installed)



There is a multipurpose receipt space for the luggage room mat.



Before use the luggage under tray, hang the luggage room mat to the mat hanger. Mat hanger is located beneath the center of the cargo area cover.



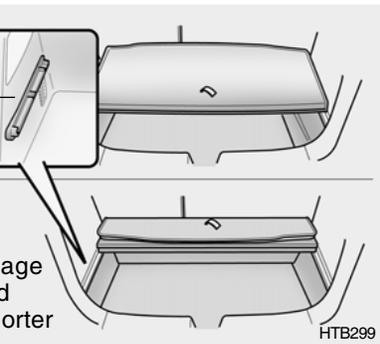
! **CAUTION:**
Should install the luggage under tray on the spare tire. Unless, it may cause transformation of the luggage room mat.





WARNING:
 eye injury. **DO NOT** over-
 ch. **ALWAYS** keep face and body
 of recoil path. **DO NOT** use when
 has visible signs of wear or
 age.

HTB-GAT
Luggage Board (If installed)

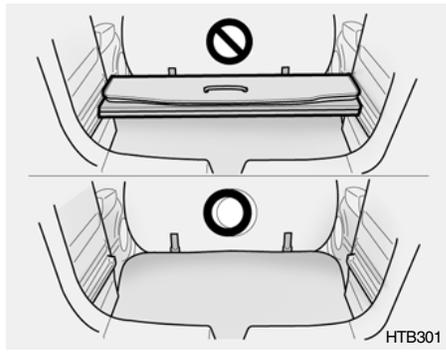


For greater convenience, your Hyundai
 divide the cargo space with the
 luggage board. Fix the luggage board
 to the luggage board supporter. Fold
 the luggage board to pull the grip upward and
 forward.



CAUTION:

- o When you want to enlarge the cargo space, remove the luggage board from the luggage board supporter after folding the rear seat.
- o Do not load cargo beyond 30kg. It may cause damage to the luggage board.

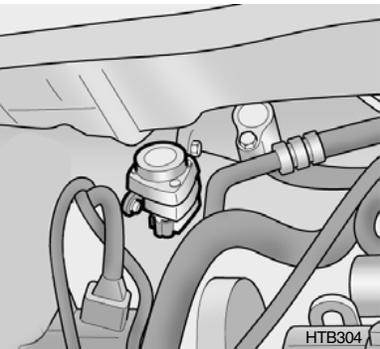


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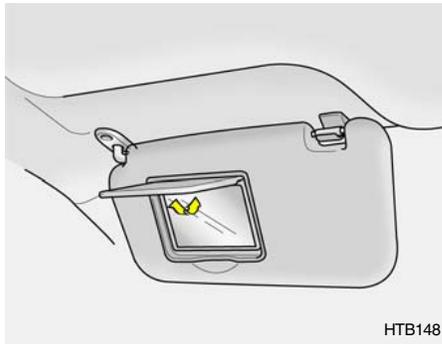
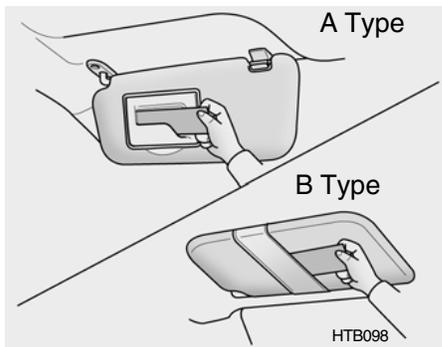
O-GAT
AUTO FUEL CUT SWITCH
(In-line Engine) (If installed)



The auto fuel cut switch is located on the driver's side of the engine compartment. In the event of a collision or sudden impact, the auto fuel cut device cuts off the fuel supply. If this device is activated, it must be reset by pressing in the top of the switch before the engine can be restarted.

WARNING:
Before resetting the auto fuel cut switch, the fuel line should be checked for fuel leaks.

B580A01TB-GAT
SUN VISOR





A-AAT
STEERING WHEEL TILT LEVER (if stalled)
Adjust the Steering Wheel:



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

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

B610B01A-GAT
HORN



Press the center hub of the steering wheel to sound the horn.



7/29/2005, 10:37 AM





MODE Switch

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

RADIO (FM1 → FM2 → AM) → TAPE → CD

SEEK Switch

Press the SEEK switch 1 sec. or more.

RADIO mode

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

2. TAPE mode

- o Pressing the upper SEEK switch will play the beginning of the next music segment.
- o Pressing the lower SEEK switch will start replay at the beginning of the music just listened to.

3. CD (Compact Disc) mode

- o Press the upper SEEK switch once to skip forward to the beginning of the next track.
- o Press the lower SEEK switch once to skip back to the beginning of the track.

VOL Switch

- o Press the upper VOL switch to increase volume.
- o Press the lower VOL switch to decrease volume.





Installed)



B710A01S-AAT

VENTILATION

To operate the ventilation system:

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

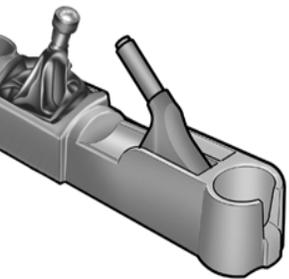


B710B01A-AAT

Center Ventilator

The center ventilators are located in the middle of the dashboard.

To change the direction of the air flow, turn the control knob on the middle of the ventilator as desired.



B710A01TB

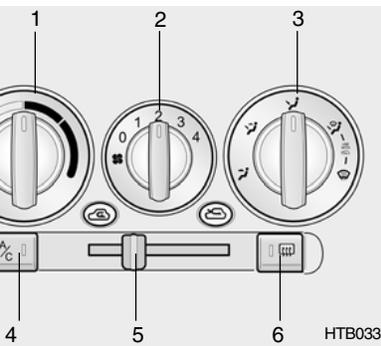


6/29/2005, 10:45 AM





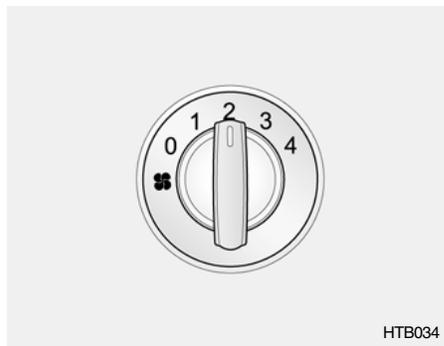
HTB-GAT
**HEATING AND VENTILATION
(Installed)**



- 1 Temperature control switch
- 2 Fan speed control switch
- 3 Air flow control switch
- 4 Conditioning switch
- 5 Intake control switch
- 6 Rear window defroster switch

HTB033

B670B01A-AAT
**Fan Speed Control
(Blower Control)**



HTB034

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

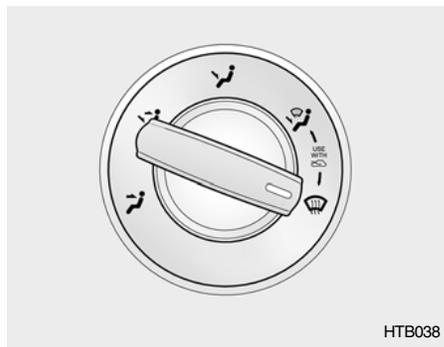




E:
ould be noted that prolonged
ation of the heating system in
" mode will give rise to misting
e windshield and side win-
s and the air within the passen-
ompartments will become stale.
dition prolonged use of the air
itioning with the "  " mode
sted may result in the air within
assenger compartment becom-
xcessively dry.

B670D01TB-AAT

Air Flow Control

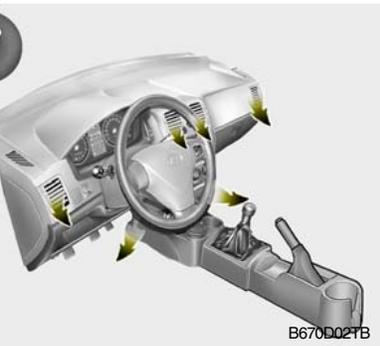


This is used to direct the flow of air. Air can be directed to the floor, dashboard outlets, or windshield. Five symbols are used to represent Face, Bi-Level, Floor, Floor-Defrost and Defrost air position.



6/29/2005, 10:45 AM





Bi-Level

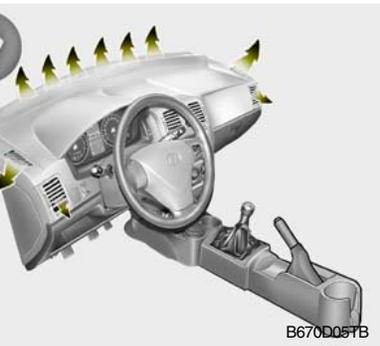
Air is discharged through the face vents and the floor vents. This makes it possible to have cooler air from the dashboard vents and warmer air from floor outlets at the same time.



Floor-Level

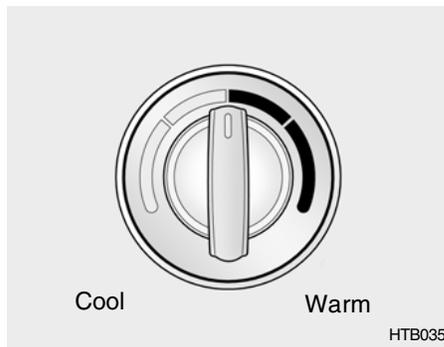
Air is discharged through the floor vents, windshield defroster nozzle, side defroster nozzle, side ventilator.





B670E02A-AAT

Temperature Control



> **Defrost-Level**
is discharged through the wind-
d defrost nozzle, side defroster
e, side ventilator.

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



6/29/2005, 10:45 AM



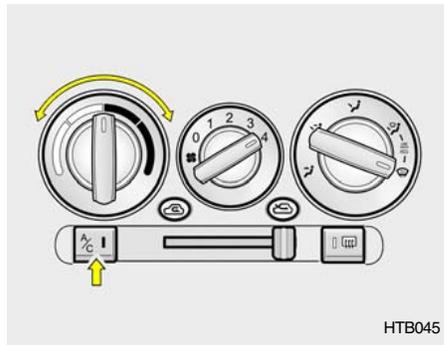


A-AAT BI-LEVEL HEATING

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

- o Set the air intake control to the fresh air (☼) position.
- o Set the air flow control at the bi-level (↕) position.
- o Set the temperature control between "Cool" and "Warm".

B720A01TB-GAT DEFROSTING/DEFOGGING



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

To remove interior fog on the windshield:

- o Set the air intake control to the fresh air (☼) position.
- o Set the air flow control to the defrost (↕) position.
- o For more rapid action, turn on the air conditioning.
- o Set the temperature control to the desired position.
- o Set the fan speed control between "1" and "4" position.





FC-GAT

Operation Tips

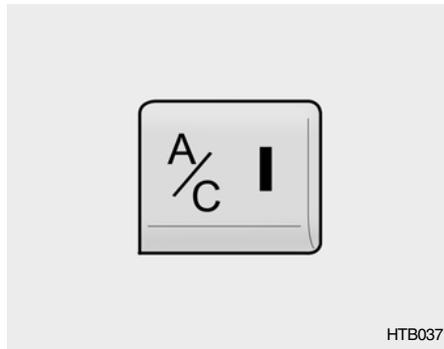
Keep dust or unpleasant fumes from entering the car through the ventilation system, temporarily set the air intake control at "Recirculation". Be sure to return the control to "Fresh" when the irritation has passed to keep fresh air in the vehicle. This will help keep the driver alert and comfortable.

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.

B740A01A-AAT

AIR CONDITIONING SWITCH (If Installed)



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



6/29/2005, 10:45 AM

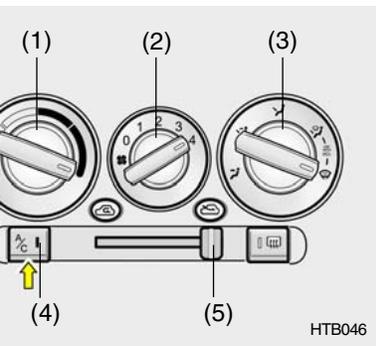




Adjust the fan control (2) to the desired speed. For greater cooling, turn the fan control to one of the higher speeds or temporarily select the (⊞) position on the air intake control.

A-AAT

Dehumidified Heating



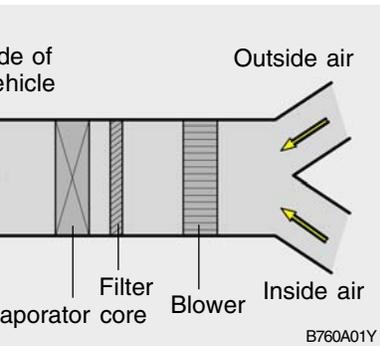
For dehumidified heating:

- o Turn on the fan control switch (2).
- o Turn on the air conditioning switch (4). The air conditioning indicator light should come on at the same time.
- o Set the air intake control (5) to the fresh air (⊞) position.
- o Set the air flow control (3) to the face (⤴) position.
- o Adjust the fan control (2) to the desired speed.
- o For more rapid action, set the fan at one of the higher speeds.
- o Adjust the temperature control (1) to provide the desired amount of warmth.





TB-GAT
CONDITIONER FILTER
(front of evaporator unit)
(installed)



CAUTION:

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

The air conditioner filter is located in the front of the evaporator unit behind the filter box.

The filter operates to decrease the amount of dust and dirt from entering the car.

To replace the air conditioner filter, refer to the instructions on page 6-23.

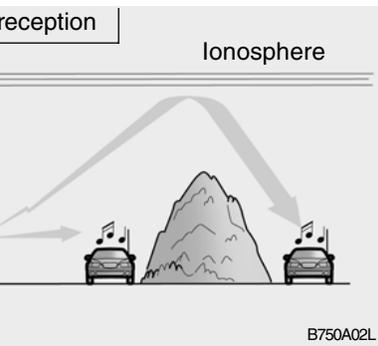


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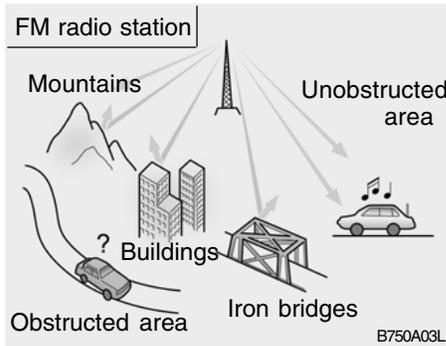




of buildings, bridges or other obstructions in the area.

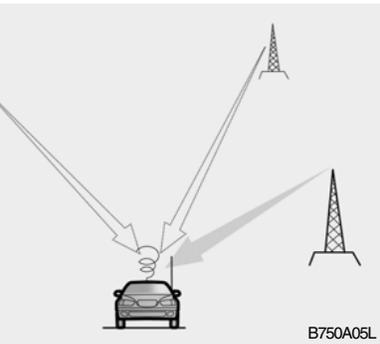


AM broadcasts can be received at longer distances than FM broadcasts. This is because AM radio waves are transmitted at low frequency. These low frequency radio waves can follow the curvature of the earth rather than travelling straight out into the atmosphere. In addition, they curve around obstructions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



FM broadcasts are transmitted at high frequency 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:





B750B02Y-AAT

Using a cellular phone or a two-way radio

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

Station Swapping - As a FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the strongest 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 fading. 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.

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

WARNING:
 Don't use a cellular phone when you are driving, you must stop at a safe place to use a cellular phone.

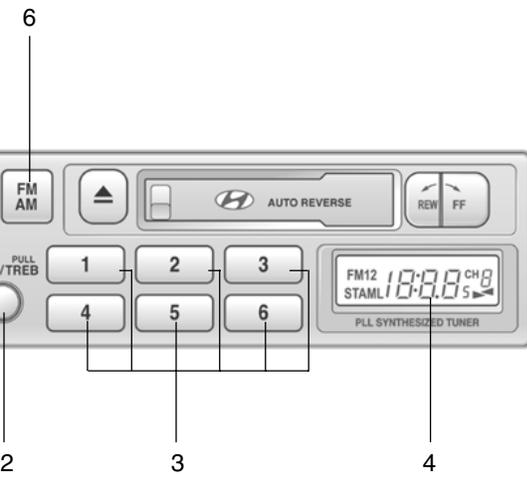


6/29/2005, 10:45 AM





installed)



K220A01TB

N Button

- 4. LCD
- 5. TUNE/SEEK Button
- 6. FM/AM Button
- 7. FADER Button



6/29/2005, 10:45 AM





BASS/TREBLE-pull

Press this button to pop up. Rotate the button clockwise to increase the Bass and counter-clockwise to decrease the Bass.

After pull the button and rotate clockwise to increase the Treble.

Rotate counter-clockwise to decrease the Treble. After adjustment pull the button.

PRESET (1 ~ 6)

Press any of these buttons not more than 2 seconds to listen to the station in memory. Press the preset button for 2 seconds or more, then the current station will be stored into the memory by the preset button.

CD

Shows the following information; frequency of FM1/FM2/AM/(L)/(M) frequency, preset channel number, ST in memory of FM Stereo.

5. TUNE

Press the \wedge button not more than 1 second then frequency is increased. Likewise press the \vee button not more than 1 second to decrease the frequency.

o SEEK

Press the \wedge button for over 1 second, then it will tune to the next receivable higher frequency station. Likewise, press the \vee button for over 1 second then it will tune to the next receivable lower frequency station. If the selected station is in the preset memory, memorized channel will be on the display too.

6. FM/AM Button

FM/AM band button, which is used to change the band repeatedly in following manner.

FM1 → FM2 → AM → FM1
(FM1 → FM2 → M → L → FM1 : Europe)



6/29/2005, 10:45 AM





FEATURES OF YOUR HYUNDAI **1-99**

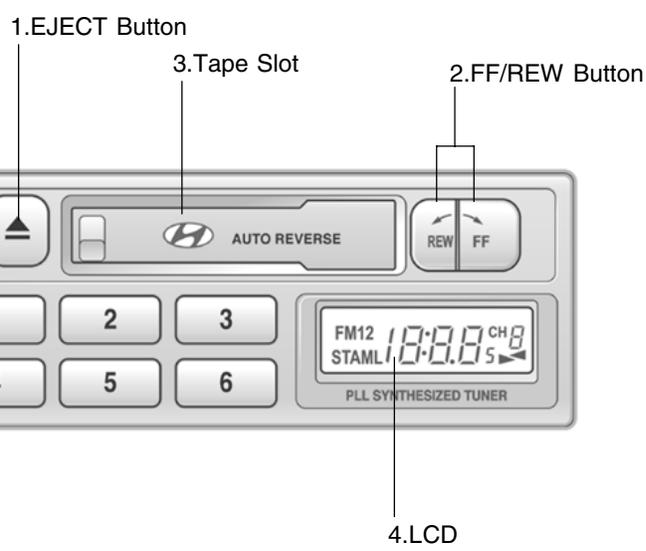


6/29/2005, 10:45 AM





(K220) (If installed)



K220A01TB-1



6/29/2005, 10:45 AM



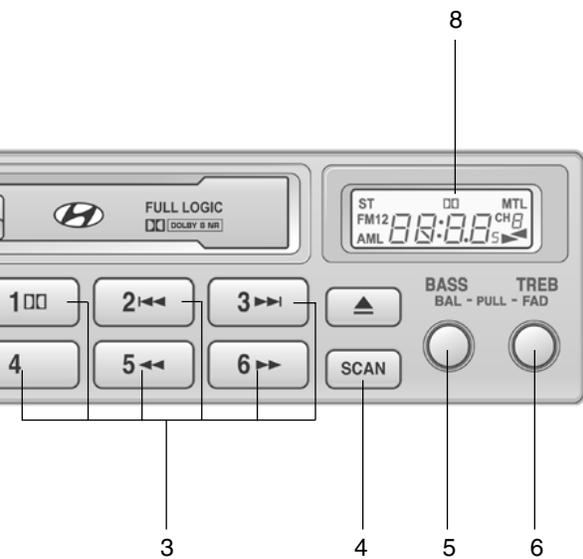


CAUTION:
Do not insert anything like coins into the player slot as damage to the unit may occur.
Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.
Do not impact on the audio system, or the playback mechanism could be damaged.





installed)



K240A01TB

- 5. BASS/BAL pull Button
- 6. TREB/pull FAD Button
- 7. FM/AM Button
- 8. LCD



6/29/2005, 10:45 AM





SEEK

Press the \wedge button for over 0.5 second and release the button after beep sound, it will tune to the next receivable higher frequency station. Likewise, press the \vee button for over 0.5 second and release the button after the beep sound, then it will tune to the next receivable lower frequency station. If the selected station is in the preset memory, memorized channel will be displayed too.

PRESET

Press any of these buttons not more than 2 seconds to listen to the station in memory. Press the preset button for 2 seconds or more, then the current station will be stored into the memory and the preset button with the sound.

4. SCAN Button

When this button is pressed, the frequency will be increased to be tuned to the next receivable station one after another, receiving each station for 5 seconds. If the desirable station is tuned, press this button (scan) again to cancel scan function.

5. BASS/BAL- pull

Press to pop the knob out. To increase the bass, rotate the knob clockwise, while to decrease the Bass, rotate the knob counterclockwise. Further pull the popped-ed knob for the 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 will be attenuated)





CD

shows the following information;
of FM1/FM2/AM frequency, pre-
channel number, ST in case of FM
o.

CAUTION:
Do not place beverages close to
the audio system. The playback
mechanism may be damaged if
you spill them.
Do not impact on the audio sys-
tem, or the playback mechanism
could be damaged.

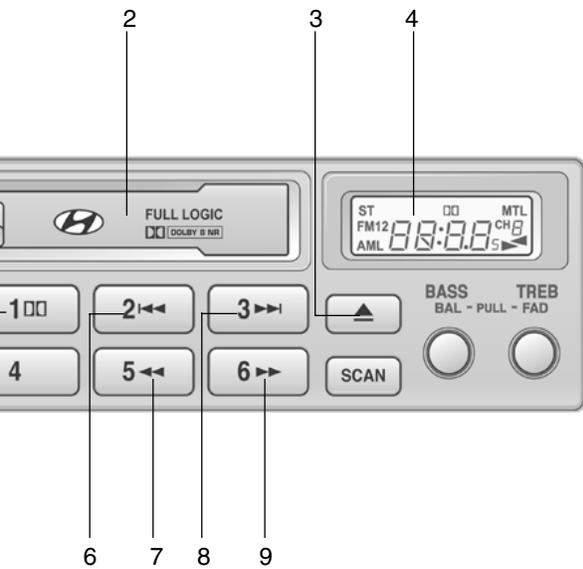


6/29/2005, 10:45 AM





(K240) (If installed)



K240A01TB

- 5. DOLBY Button
- 6. AMS-REW Button
- 7. Rewind (REW) Button
- 8. AMS-FF Button
- 9. Fast Forward (FF) Button



6/29/2005, 10:45 AM





AMS-REW, MTL in metallic tape use, Dolby etc.

Dolby Button

When you play the Dolby recorded tape, press this button to reduce the background noise. If you press this button, "DOLBY" is displayed. One more press of the button, the "DOLBY" disappears from the display.

AMS-REW Button (◀◀)

Press this button to rewind the tape quickly and start replay at the beginning of the next music. During the AMS-REWINDING, "REW" sign blinks on the display.

Press the button once more to stop AMS-REWINDING and start play again.

Rewind button (◀◀)

You can rewind the tape to the beginning of the tape by pressing the "◀◀" button during the play ("REW" is shown on the display). Tape play starts when the "◀◀" button is pressed again during REW mode.

8. AMS-FF Button (▶▶)

Press button to fast forward the tape and start play at the beginning of next music segment. During the AMS-FF, "FF" sign blinks on the display.

Press the button again to stop FF action and start play.

9. Fast Forward Button (▶▶)

You can fast forward the tape to the end of the tape by pressing the "▶▶" button during the play. (Then "FF" is shown on the display). Tape play starts when the "▶▶" button is pressed again during the FF mode.



CAUTION:

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

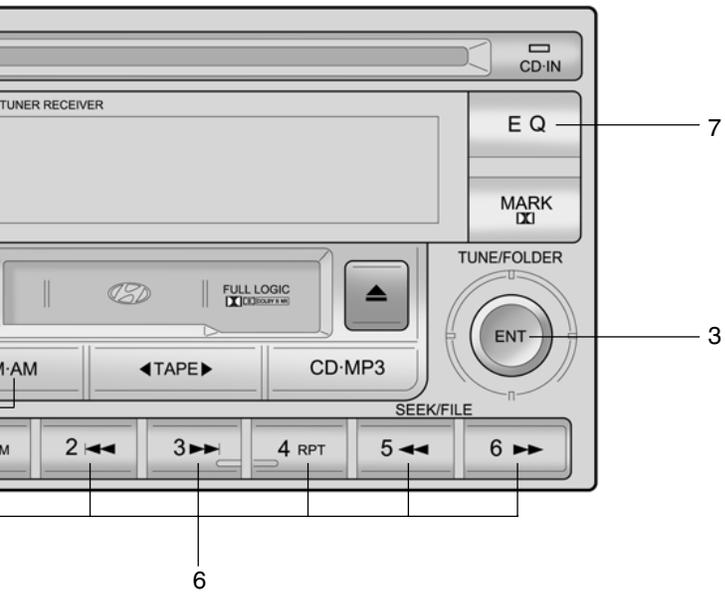


6/29/2005, 10:45 AM





installed)



HTB313

- 5. Best Station Memory Button (BSM)
- 6. PRESET Buttons
- 7. Equalizer Button (EQ)
- 8. Adjustment Mode Select Button (A.MODE)



6/29/2005, 10:45 AM





TUNE (Manual) Select Knob

Turn the TUNE select knob (JOY STICK) upwards or downwards to increase or decrease the frequency. Release the knob when the station is selected.

Auto Operation (Automatic Channel Selection)

Turn the TUNE select knob (JOY STICK) to the right or left, the frequency will be automatically tuned to the next higher or lower available station.

WARNING:
Do not touch the button and joy stick while driving. It can cause an accident or serious injury in case of an accident.

4. SCAN

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

5. Best Station Memory (BSM)

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

6. PRESET STATION Select Buttons

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



6/29/2005, 10:45 AM





EQUALIZER (EQ)

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

CLASSIC → JAZZ → ROCK → DEFEAT

Adjustment Mode select Button (A.MODE).

Pressing the A.MODE button changes the display to CLASS, BALANCE, TREBLE and FADER mode. The mode selected is shown on the display. When selecting the each mode, rotate the volume control knob clockwise or counterclockwise.

BASS Control

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

BALANCE Control

Turn the knob clockwise to emphasize the 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).

TREBLE Control

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

FAD (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).



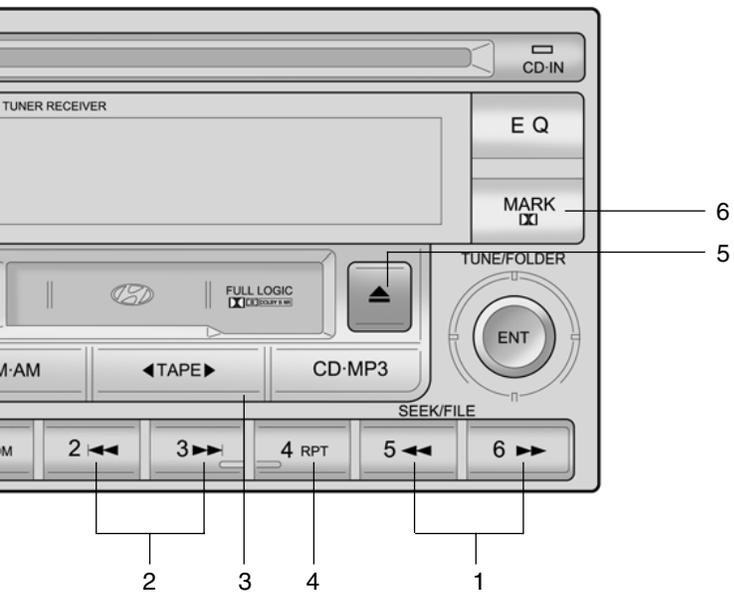
CAUTION:

- Do not place beverages close to the audio system. The playback mechanism may be damaged if you spill them.
- Do not impact on the audio system, or the playback mechanism could be damaged.





(M280) (If installed)



HTB313

- 4. REPEAT Button
- 5. TAPE EJECT Button
- 6. DOLBY Button



6/29/2005, 10:46 AM





TAPE PROGRAM Button

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

Push the TAPE button to turn on that function without pushing power OFF control knob.

REPEAT

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

If you do not release RPT operation when the track ends, it will automatically be replayed.

This process will be continued until you push the button again.

Equalizer (EQ)

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

CLASSIC → JAZZ → ROCK → DEFEAT



6/29/2005, 10:46 AM



6. DOLBY

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

7. TAPE EJECT

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

NOTE:

- o To assure proper operation of the unit, keep the vehicle interior temperature within a normal range by using the vehicle's air conditioning or heating system.
- o When replacing the fuse, replace it with a fuse having the correct capacity.
- o The preset station frequencies are all erased when the car battery is disconnected. Therefore, all data will have to be set again if this should occur.



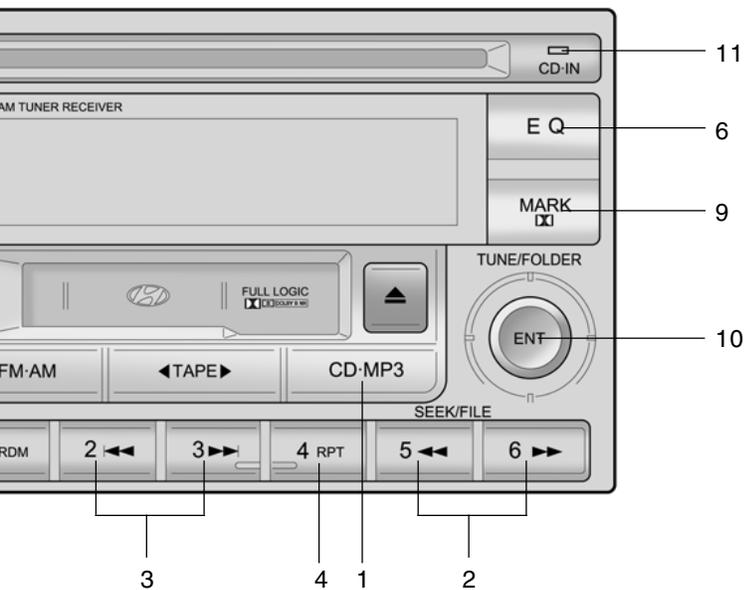


6/29/2005, 10:46 AM





(COMPATIBLE WITH MP3/WMA/AAC) (M280) (If installed)



HTB313

- 6. EQUALIZER Button
- 7. CD EJECT Button
- 8. SCAN Button
- 9. BOOKMARK Button
- 10. JOY STICK
- 11. CD INDICATOR



6/29/2005, 10:46 AM





Depending on the recording status, some CD-Rs/CD-RWs may not be played on this unit.

FAST FORWARD/REW (▶▶/◀◀)

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

TRACK UP/DOWN

The desired track on the disc currently being played can be selected by pushing the track number.

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

REPEAT (RPT)

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

To repeat the music within selected folder, press the RPT button for more than 2 seconds. To cancel, press it again. (MP3 CD only)

- o If you do not release RPT operation when the track ends, it will automatically be replayed. This process will be continued until you push the button again.

5. RANDOM (RDM)

- o Press the RDM button to listen the tracks in random, rather than sequential, order. Press it again to cancel random play.
- o To listen the music within the selected folder in random order, press the RDM button for more than 2 seconds. To cancel press it again. (MP3 CD only)

6. EQUALIZER (EQ)

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

CLASSIC → JAZZ → ROCK → DEFEAT
↑



6/29/2005, 10:46 AM





Press the MARK button to erase the bookmarked tracks for more than 2 seconds.

This will erase the bookmark and "√" symbol on the LCD with beep sound.

JOY STICK (ENT)

You can skip the track by pushing the JOY STICK to the left or right.

After selecting the desired track, press the JOY STICK to playback the track.

If you do not press the JOY STICK within 5 seconds, the previous track will playback again.

You can move through the folder by pushing the JOYSTICK to up and down.

After moving the desired folder, press the JOYSTICK to playback the selected track.

If you do not press the JOYSTICK within 5 seconds, the previous track will playback again. (MP3 CD only)

NOTE:

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





Avoid using CD-Recordable or CD-Rewritable as the player could not be operated in recording way of the CD maker. When using the compact disc player, genuine CDs are recommended.



6/29/2005, 10:46 AM





When using the CD or Tape mode, find the cause in the chart below. If you cannot find the cause, consult your Hyundai dealer.

	SOLUTION
CD ERROR	After resetting the audio, push the eject button.
TAPE ERROR)	If disc is not ejected, consult your Hyundai dealer.
	Make sure the disc is not scratched or damaged. Press the eject button and pull out the disc. Then insert a normal CD disc.
	Check if the disc is inserted correctly in the CD player.
	Check if the disc is inserted correctly in the CD player.
	After resetting the audio, push the eject button. If tape is not ejected, consult your Hyundai dealer.
TEMPERATURE ERROR	Fault code will reset automatically when the temperature returns to normal.



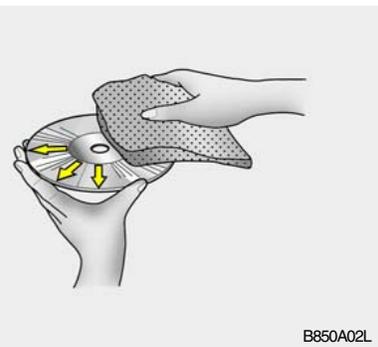


Page

When not in use, place your discs in individual cases and store them in a cool, dry place away from the sun, heat, and dust.

Do not grip or pull out the disc with your fingers while the disc is being pulled into the player by the self-loading mechanism.

How to Keep Your Discs Clean



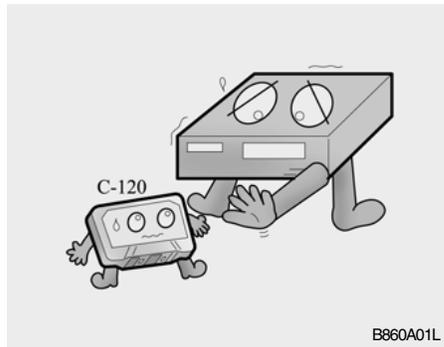
B850A02L

Fingerprints, dust, or soil on the surface of a disc could cause the pickup to skip or miss tracks. Wipe the surface clean with a clean soft cloth.

If the surface is heavily soiled, dampen a soft cloth in a solution of mild detergent to wipe it clean. See the cleaning instructions for more information.

B860A01A-AAT

CARE OF CASSETTE TAPES



B860A01L

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

- o Never leave a cassette inserted in the player when not being played. This could damage the tape player unit and the cassette tape.



6/29/2005, 10:46 AM



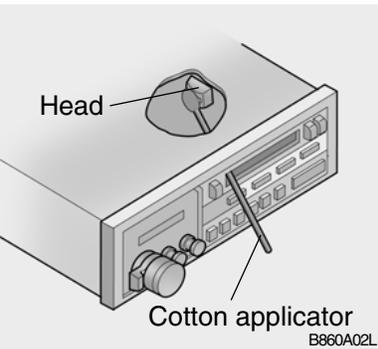


FEATURES OF YOUR HYUNDAI **1-119**

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

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

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



6/29/2005, 10:46 AM





FC-GAT
ANTENNA
of Antenna



CAUTION:

- o Be sure to remove the antenna before washing the car in an automatic car wash or it may be damaged.
- o Before entering a place with a low height clearance, be sure to adjust the roof antenna low.
- o When reinstalling your antenna, it is important that it is fully tightened to ensure proper reception.

car uses a roof antenna to receive AM and FM broadcast signals. antenna is a removable type. To remove the antenna, turn the antenna counterclockwise. To install the antenna, turn the antenna clockwise.



6/29/2005, 10:46 AM





YOUR HYUNDAI

Engine	2-3
.....	2-4
.....	2-5
transaxle	2-7
.....	2-9
es	2-12
em (ABS)	2-13
rogram (ESP)	2-14
.....	2-15
.....	2-16
ng	2-19



7/29/2005, 10:35 AM





ENGINE EXHAUST CAN BE DANGEROUS!

dangerous. If, at any time, you smell exhaust fumes inside the vehicle,

a colorless, odorless gas that can cause unconsciousness and death

Do not leak.

Whenever the vehicle is raised to change the oil or for any other purpose. Check for exhaust leaks or if you drive over something that strikes the underneath side of the vehicle, have it checked as soon as possible by your Hyundai dealer.

Do not use enclosed areas.

Running the engine in an enclosed area, such as a garage with the garage door open, is a hazardous practice. Never run the engine in an enclosed area. Always take the proper precautions to start the engine and back the car out.

Do not use prolonged periods with people inside the car.

When using the car for a prolonged period with people inside the car, be sure to do so only in a well-ventilated area with the "Fresh Air" and fan operating at one of the higher speeds so fresh air is drawn into the car.

Because you are carrying objects that make this necessary:

When using the air flow control at "Floor" or "Face" and the fan at one of the higher speeds, be sure to use the air flow control at "Floor" or "Face" and the fan at one of the higher speeds.

When using the air flow control system, be sure the ventilation air intakes located just in front of the car are clear of leaves or other obstructions.



7/29/2005, 10:35 AM





Check the operation of warning lights and all bulbs when key is in the "ON" position.

WARNING:
(DIESEL ENGINE)
Ensure that sufficient vacuum exists within the brake system during cold weather start-up conditions, it is necessary to run the engine at idle for several seconds starting the engine.

C030A01A-GAT

COMBINATION IGNITION SWITCH

To Start the Engine

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



NOTE:

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



7/29/2005, 10:35 AM





"START"

When 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.

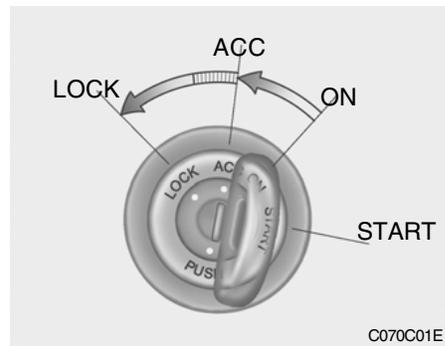
"ON"
When the key is in the "ON" position, the ignition is on and all accessories can be turned on. If the engine is not running, the key should not be left in the "ON" position. This will discharge the battery and may also damage the ignition system.

"ACC"
Turn the key in the "ACC" position, and electrical accessories (radio etc.) can be operated.

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

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

C070C01A-AAT To Remove The Ignition Key



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



7/29/2005, 10:35 AM





C050B02S-GAT

STARTING FOR THE DIESEL ENGINE

ENGINE COLD

Turn the ignition key to position "ON" and wait for the pre-heat indicator light to go out. Operate the starter until the engine starts.

ENGINE WARM

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

C050B02S-GAT

NORMAL CONDITIONS

The Starting Procedure:

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



7/29/2005, 10:35 AM





WARNING:

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

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

C055B01B-GAT

STARTING AND STOPPING THE ENGINE FOR TURBO CHARGER INTERCOOLER (DIESEL ENGINE)

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



WARNING:

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



7/29/2005, 10:35 AM





E:
shift into reverse, rest the lever neutral for at least 3 seconds before your car is completely stopped. Then move the lever to the reverse position. During cold weather, shifting may be difficult until the transaxle lubricant has warmed up. This is normal and not harmful to the transaxle.
When you've come to a complete stop and it's hard to shift into 1st R(Reverse), put the shift lever into N(Neutral) position and release the clutch. Press the clutch pedal down, and then shift into 1st R(Reverse) gear position.
Do not use the shift lever as a handrest during driving, as this can result in premature wear of the transaxle shift forks.



CAUTION:

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

C070B01A-AAT

Using the Clutch

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



7/29/2005, 10:35 AM





PO-AAT

Safe Driving Practices

Never take the car out of gear and coast down a hill. This is extremely hazardous. Always leave the car in gear.

Don't "ride" the brakes. This can cause them to overheat and malfunction. Instead, when you are driving down a long hill, slow down and shift to a lower gear. When you do this, engine braking will help slow the car.

Slow down before shifting to a lower gear. This will help avoid over-revving the engine, which can cause engine damage.

Slow down when you encounter cross winds. This gives you much better control of your car.

Make sure the car is completely stopped before you attempt to shift into reverse. The transaxle can be damaged if you do not. To shift into reverse, depress the clutch, move the shift lever to neutral, wait three seconds, then shift to the reverse position.

Exercise extreme caution when driving on a slippery surface. Be especially careful when braking, acceler-

ating or shifting gears. On a slippery surface, an abrupt change in vehicle speed can cause the drive wheels to lose traction and the vehicle to go out of control.

 **WARNING:**

- o Avoid high cornering speeds.
- o Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.
- o Always wear your seat belts. In a collision crash, an unbelted person is significantly more likely to die than a person wearing a seatbelt.
- o The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds.
- o Loss of control often occurs if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.
- o In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes.
- o Never exceed posted speed limits.



7/29/2005, 10:35 AM





E:
Depress the brake pedal and push the button when shifting.

Push the button when shifting.

The selector lever can be shifted freely.

Optimum fuel economy, accelerate gradually. The transaxle will automatically shift to the second, third and drive gears.

C090B01A-AAT

The Function of Each Position Is As Follows:

o P (Park):

Use to hold the vehicle in place when parking or while starting the engine; shift the selector lever to the "P" (Park) position. 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.





A-AAT

(Second gear):

For driving on a slippery road, hill climbing or engine braking downhill. The transaxle automatically shifts between first and second gears.

This means that no shift-up to 3rd gear is performed. However, the shift-up to 3rd gear is done when the car speed exceeds a certain value to prevent the engine from over-revving. Manually shift the selector to "D" returning to normal driving condition.

S-GAT

(Low gear):

For driving up a very steep grade or engine braking when descending steep hills. When downshifting to "L", the transaxle will temporarily remain in 2nd gear until the vehicle has slowed enough for low gear to engage. Do not exceed 50 km/h (30 mph) in low gear.

The transaxle shifts to 1st gear only. However, the shift-up to 2nd is performed when the engine speed exceeds a certain speed and, as engine speed increases, the transaxle will shift to 3rd gear to prevent over-revving the engine.

C090H01A-GAT

NOTE:

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



7/29/2005, 10:35 AM





Check the automatic transaxle fluid level regularly, and add fluid as necessary. Follow the maintenance schedule for the proper fluid recommendation.

SA-AAT

Safe Driving Practices

Never move the gear selector lever from "P" or "N" to any other position with the accelerator pedal depressed.

Never move the gear selector lever to "P" when the vehicle is in motion.

Always ensure the car is completely stopped before you attempt to shift into "R".

Never take the car out of gear and coast down a hill. This may be extremely hazardous. Always leave the car in gear when moving.

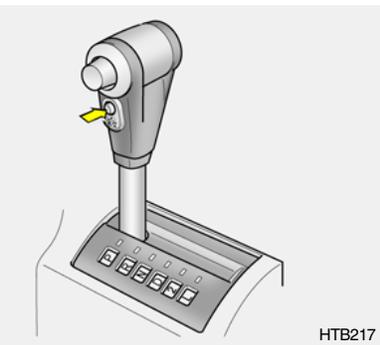
Do not "ride" the brakes. This can cause them to overheat and malfunction. Instead, when you are driving down a long hill, slow down and shift to a lower gear. When you do this, engine braking will help slow the car.

- 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 Turn the overdrive switch on for good fuel economy and smooth driving. If engine braking is needed in the "D" range or if repeated upshifting and downshifting between 3rd and 4th gear is needed when climbing a gentle slope, it is recommended that the overdrive switch be turned off. Turn the overdrive switch back on immediately afterward.





A-GAT Overdrive Switch



HTB217

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

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

C130A01A-AAT GOOD BRAKING PRACTICES

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

- o 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.
- o 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.



7/29/2005, 10:35 AM





car (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.

There is no curb or if it is required under 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 car brakes or if the brakes are wet. There is a risk that the parking brake may freeze, apply it only temporarily while you put the gear selector lever in "P" (automatic) or in first or reverse gear (manual transaxle) and block the rear wheels so the car cannot roll. Then release the parking brake.

Do not hold the vehicle on the upgrade with the accelerator pedal. This can cause the transmission to overheat. Always use the brake pedal or parking brake.

C120A03A-AAT

ANTI-LOCK BRAKE SYSTEM (If Installed)

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

NOTE:

- o **A click sound may be heard in the engine compartment when the vehicle begins to move after the engine is started. These conditions are normal and indicate that the anti-lock brake system (Electronic Stability Program) is functioning properly.**
- o **During ABS (ESP) operation, a slight pulsation may be felt in the brake pedal when the brakes are applied. Also, a noise may be heard in the engine compartment while braking. These conditions are normal and indicate that the anti-lock brake system is functioning properly.**



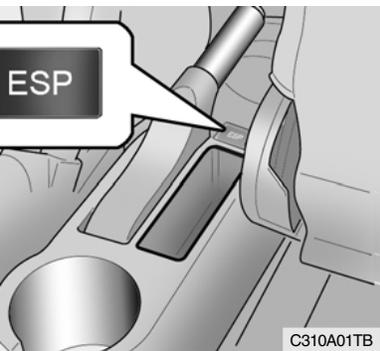
7/29/2005, 10:35 AM





Under these conditions, the vehicle should be driven at reduced speeds. The safety features of an ABS (ESP) equipped vehicle should not be tested at high speed driving or cornering. This could endanger the safety of self or others.

JM-AAT
ELECTRONIC STABILITY PROGRAM (ESP) (stalled)



The Electronic Stability Program (ESP) system is designed to stabilize the vehicle during cornering maneuvers.

ESP checks where you are steering and where the vehicle is actually going. ESP applies the brakes at individual wheels and intervenes in the engine management system to stabilize the vehicle.

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

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



7/29/2005, 10:35 AM





JM-AAT

Indicators and Warning

Indicators should illuminate when the ignition key is turned to ON or START but should go out after three seconds.

If indicators do not illuminate, or the ESP-OFF indicator does not go out after 3 seconds, have the vehicle checked by an authorized dealer.

If there be any unusual conditions while driving, ESP-OFF indicator illuminates as a warning.

If ESP-OFF indicator illuminates, pull over to a safe place and stop the engine.

If the engine is started, start the engine again to check if the ESP-OFF indicator goes out.

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

C140A01A-GAT

DRIVING FOR ECONOMY

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

- o 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.

- o 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.



7/29/2005, 10:35 AM





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 stuck in traffic), turn off your engine and restart only when you're ready to go.

Remember, your Hyundai does not require extended warm-up. As soon as the engine is running smoothly, you can drive away. In very cold weather, however, give your engine a slightly longer warm-up period.

Don't "lug" or "over-rev" the engine. Lugging is driving too slowly in too high a gear resulting in the engine knocking. 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.

- o Use your air conditioning sparingly. The air conditioning system is operated by engine power so your fuel economy is reduced when you use it.

C150A01A-AAT

SMOOTH CORNERING

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



C160A01A-AAT

WINTER DRIVING

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



7/29/2005, 10:35 AM





A-AAT

High Quality Ethylene Glycol Coolant

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 prevents corrosion in the cooling system, lubricates the water pump and prevents freezing. Be sure to replenish your coolant in accordance with the maintenance schedule in Section 5. Before winter, have your coolant tested to assure that its freeze 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.



7/29/2005, 10:35 AM





A-AAT

Approved Anti-Freeze in Window Washer System

Keep the water in the window washer from freezing, add an approved anti-freeze solution in accordance with instructions on the container. Window washer anti-freeze is available from retail dealers and most auto parts stores. Do not use engine coolant or other types of anti-freeze as these can damage the finish.

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.

A-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 around or near the rear brakes or when the rear brakes are wet. If there is a risk the parking brake may freeze, apply it temporarily while you put the gear selector lever in "P" (automatic) or in reverse gear (manual transaxle) to block the rear wheels so the car won't roll. Then release the parking brake.

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.



7/29/2005, 10:35 AM





A-AAT
OF LIGHTS

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

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.

A-GAT
TRAILER OR VEHICLE TOWING

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

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.**



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





Do not start the engine until it cools down. You may proceed once the engine has cooled sufficiently.

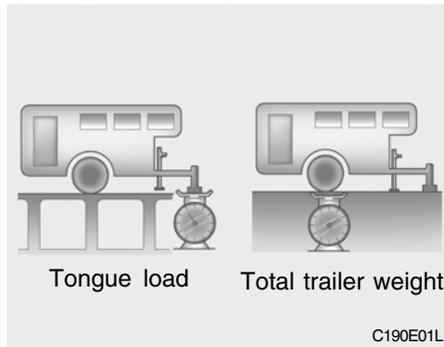
C190E02TB-GAT

Safety Chains

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

C190E02TB-GAT

Trailer Weight Limit



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



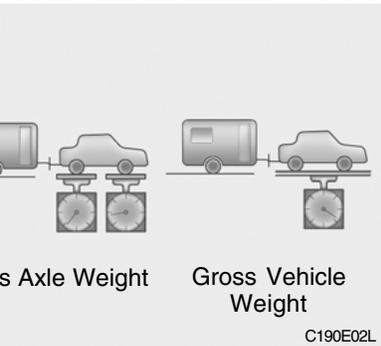
NOTE:

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

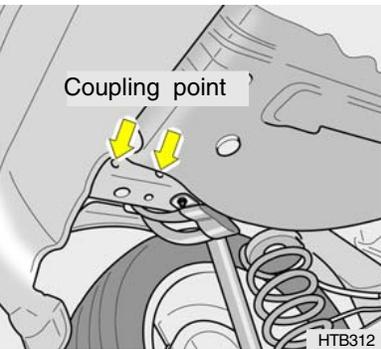


7/29/2005, 10:35 AM





Maximum permissible over-
ing of the coupling point
90 mm



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

kg. (Lbs)

Type			Maximum Towable Weight	
			Trailer	Tongue
With Brake Type	1.1L	MANUAL	700 (1,543)	44 (97)
	1.4L		1000 (2,204)	
	1.6L	TRANSAXLE	1,100 (2,425)	
	Diesel		1,100 (2,425)	
	1.4L	AUTO	900(1,984)	
	1.6L	TRANSAXLE	1,100 (2,425)	
Without Brake Type			450(992)	





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.

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 and get out of the other vehicle's air turbulence.

When parking your car and trailer, especially on a hill, be sure to follow all the normal precautions. Turn your front wheel into the curb, set the parking brake firmly, and put the transaxle in 1st or Reverse (manual) or Park (automatic). In addition, place wheel chocks at each of the trailer's tires.

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.



7/29/2005, 10:35 AM





DRIVING YOUR HYUNDAI **2-23**



7/29/2005, 10:35 AM





DO IN AN EMERGENCY

start	3-2
.....	3-3
ts	3-4
.....	3-5
.....	3-6
e towed	3-11
.....	3-13
.....	3-14





If your car has an automatic transmission, be sure the gear selector lever is in "N" or "P" and the emergency brake is set.

Check the battery connections to be sure they are clean and tight.

Turn on the interior light. If the light comes on or goes out when you operate the starter, the battery is discharged.

Check the starter connections to be sure they are securely tightened.

Do not push or pull the vehicle to start it. See instructions for "Jump Starting".

1. Check fuel level.
2. 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 room.
4. If engine still refuses to start, call a Hyundai dealer or seek other qualified assistance.

D010D01A-AAT

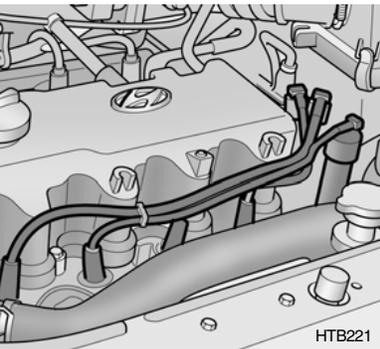
If the Engine Stalls While Driving

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



D010D01A-AAT

Engine Turns Over Normally Does Not Start



6/29/2005, 12:18 PM





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

The gas produced by the battery during the jump-start operation is highly explosive. Do not smoke or allow a spark or open flame in the vicinity.

The battery being used to provide the jump start must be 12-volt. If you cannot determine that it is a 12-volt battery, do not attempt to use it for the jump start.

To jump start a car with a discharged battery, follow this procedure exactly:

If the booster battery is installed in another vehicle, be sure the two vehicles are not touching.

Turn off all unnecessary lights and accessories in both vehicles.

3. Attach the clamps of the jumper cable in the exact order shown in the illustration. That is, first, attach one clamp of the jumper cable to the positive (+) post or cable of the discharged battery. Then attach the other end of the same cable to the positive (+) post or cable of the booster battery. Next, using the other cable, attach one clamp to the negative (-) post or cable of the booster battery. Then attach the other end of that cable to a solid metal part of the engine away from the battery. Do not connect the cable to any moving part.
4. Start the engine in the car with the booster battery and let it run for a few minutes. This will help to assure that the booster battery is fully charged. During the jumping operation, run the engine in this vehicle at about 2,000 rpm.
5. Start your engine 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.





engine coolant is running out under the car or steam is coming out from the hood, stop the engine. Do not open the hood until the engine coolant has stopped running or the steam 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.

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 dripping from it when you stop).

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

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

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



6/29/2005, 12:18 PM





HTB-GAT

TEMPORARY SPARE TIRE

Following instructions for the temporary spare tire should be observed:

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

Tire Pressure

Size	T105/70D14
Inflation Pressure	420 kPa (60 psi)

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.

Continuous use at speeds of over 80 km/h (50 mph) is not recommended.

The temporary spare tire is specially designed for your car, it should not be used on any other vehicle.

- 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.
- 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.

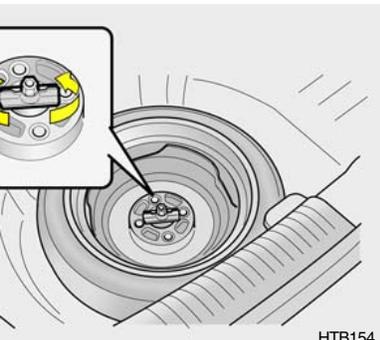


6/29/2005, 12:18 PM





Removing the Spare Tire



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

IF YOU HAVE A FLAT TIRE

If a tire goes flat while you are driving:

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

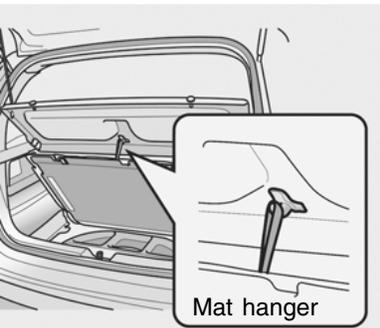


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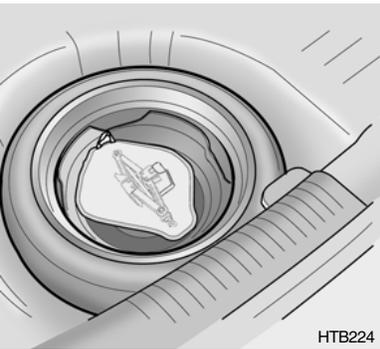


01TB-GAT
Obtain Spare Tire and Tool



HTB296

Remove the luggage room mat to the mat hanger and remove the luggage under the mat (if installed).

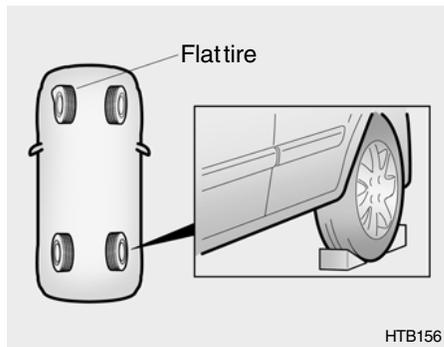


HTB224

Take out the jack case and tool bag, then remove the spare tire from the luggage room.

NOTE:
The jack case is located on the spare tire in the vehicle.

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.



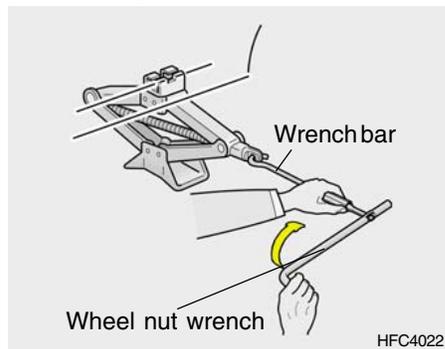


Put the Jack in Place



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

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.

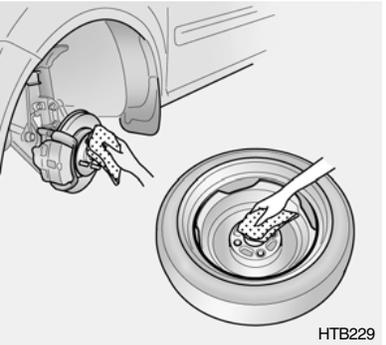


6/29/2005, 12:18 PM





the studs and slide the wheel onto the hub. If this is difficult, tip the wheel slightly and get the top hole in the wheel hub lined up with the top stud. Then move the wheel back and forth until the wheel can be slid over the other studs.

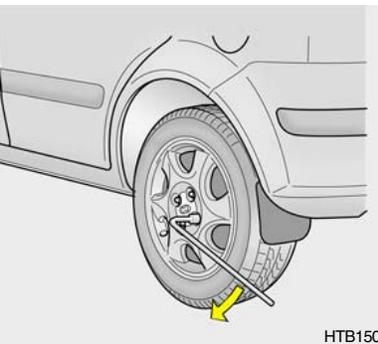


! **WARNING:**
Wheel and wheel covers may have sharp edges. Handle them carefully to avoid possible severe injury. Before putting the wheel into place, be sure that there is nothing on the hub or wheel (such as mud, tar, gravel, etc.) that interferes with the wheel from fitting solidly against the hub. If there is, remove it. If there is not good contact on the mounting surface between the wheel and hub, the wheel nuts could loosen and cause the loss of a wheel. Loss of a wheel may result in loss of control of the vehicle. This may cause serious injury or death.





Lower Vehicle and Tighten Nuts



HTB150

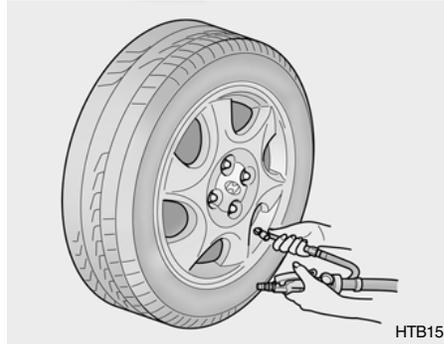
Lower the car to the ground by turning the wheel nut wrench counterclockwise. Then position the wrench as shown in the drawing and tighten the wheel nuts. Be sure the socket is seated completely over the nut. Do not stand on the wrench handle or use an extension pipe over the wrench handle. Tighten the wheel nuts every 1/2 turn until they are all tight. Then re-check each nut for tightness. After changing wheels, have a technician tighten the wheel nuts to their proper torque as soon as possible.

Wheel nut tightening torque:

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

D060J01FC-GAT

After Changing Wheels



HTB151

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.



6/29/2005, 12:18 PM

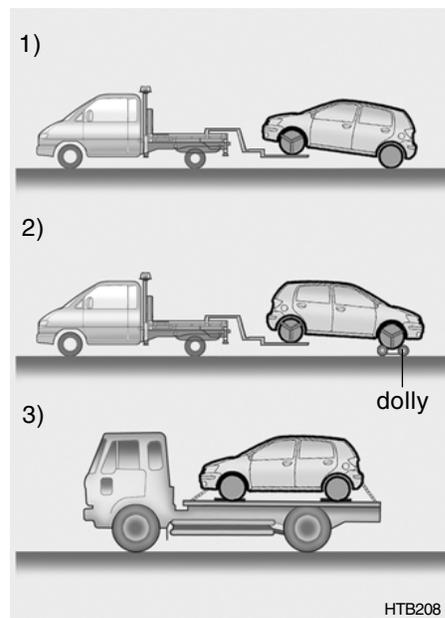




CAUTION:
Your vehicle can be damaged if towed incorrectly!
Be sure the transaxle is in neutral.
When the engine will not start, be sure the steering is unlocked by placing the key in the "ACC" position.

D080B010-GAT

Towing the Vehicle



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





When the vehicle is being towed with the front wheels on the ground, be sure the parking brake is released.

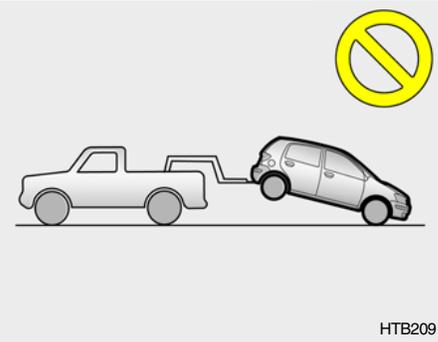
- o Automatic Transaxle:
Be sure to use a towing dolly under the front wheels.

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

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

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

 **CAUTION:**



HTB209

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.

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

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



6/29/2005, 12:18 PM





emergency towing when no commercial tow vehicle is available. Do not attempt to tow your vehicle in this manner on any unpaved surface. This may result in serious damage to your vehicle.

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

Towing should not be attempted if the engine, drive train, axles, steering or suspension are damaged. Before towing, make sure the transaxle is in neutral and the key is in "ACC" (with the engine off) or the "ON" position (with the engine running). A driver must be in the towed vehicle to steer it and operate the brakes.

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

Open the towing cover to push it through your finger. To mount the towing hook, rotate it clockwise.



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





6/29/2005, 12:18 PM





ION PREVENTION & ANCE CARE

..... 4-2
sion 4-2
..... 4-3
..... 4-5





IA-AAT

-Corrosion Areas

live in an area where your car is early exposed to corrosive materi- corrosion protection is particularly important. Some of the common es of accelerated corrosion are salts, dust control chemicals, n air and industrial pollution.

IA-AAT

Moisture Breeds Corrosion

Moisture creates the conditions in which corrosion is most likely to occur. For example, corrosion is accelerated in high humidity, particularly when temperatures are just above freezing. In these conditions, the corrosive materials kept in contact with the car corrode 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.

E020A01A-AAT

TO HELP PREVENT CORROSION

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



6/14/2005, 3:29 PM





When cleaning lower door panels, bumper 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.

E020E01A-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 the garage is well ventilated so moisture is removed.

E030A01A-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 shown through, the attention of a qualified body and paint shop is recommended.

E020E01A-AAT

Don't Neglect the Interior

Moisture can collect under the floor mats and carpeting to cause corrosion. Check under the mats periodically to be sure the carpeting is dry. Use particular care if you carry fertilizers, cleaning materials or chemicals in the car.

These should be carried only in proper containers and any spills or leaks should be cleaned up, flushed with clear water and thoroughly dried.

E030A01A-AAT

WASHING AND WAXING Washing Your Hyundai

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

Wash your car frequently. Dirt is abrasive and can scratch the paint if it is not removed. Air pollution or acid rain may damage the paint and trim through chemical action if pollutants are allowed to remain in contact with the surface. If you live near the ocean or in an area where road salts or dust con-





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

After washing, be sure to rinse thoroughly. If soapy water dries on the surface, 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, soft, absorbent cloth. The key to 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.



6/14/2005, 3:29 PM





E040A01A-AAT

How to Wax Again

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

E040A01A-AAT

Maintaining Bumpers

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

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

Be gentle when cleaning the bumper surfaces. They are made of soft plastic and the surface can be damaged if mistreated. Do not use abrasive cleaners. Use warm water and mild soap or car-washing solution.

Do not expose the bumpers to high temperatures. For example, if you have your car repainted, do not leave the bumpers on the car if the car is going to be placed in a high-temperature paint booth.

E040A01A-AAT

CLEANING THE INTERIOR

To Clean the Vinyl Upholstery

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



E040B01A-AAT

To Clean the Leather Upholstery (If installed)

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

Fine leather needs care, and should be cleaned when necessary. Washing leather thoroughly with soap and water





E040E01A-AAT

Cleaning the Carpets

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

E040E01A-AAT

Cleaning the Windows

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

E050A01A-AAT

Any Questions?

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



E040E01A-AAT

Cleaning the Seat Belts

When cleaning the seat belts, use a cloth or sponge with mild soap or detergent in warm water. Do not use strong detergents, dye, bleach or abrasive materials on the seat belts as this may damage the fabric.

When cleaning the belts, inspect them for excessive wear, cuts, fraying or other signs of damage and replace them if necessary.



6/14/2005, 3:29 PM





MAINTENANCE ELEMENTS

.....	5-2
ce.....	5-4
evere usage conditions	5-7
uled maintenance items.....	5-8





A-AAT Maintenance Requirements

Maintenance required for your Hyundai can be divided into three areas:

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

A-GAT Specified Scheduled Procedures

These are the procedures such as inspections, adjustments and replacements that are listed in the maintenance charts starting on page 5-4. These procedures must be performed at the intervals shown in the maintenance schedule to assure that your warranty remains in effect. Although it is strongly recommended that they be performed by the factory-trained or dealer-trained technicians at your Hyundai dealer, these procedures may be performed at any qualified service center.

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

F010D01A-GAT General Checks

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



6/30/2005, 5:34 PM





Y-GAT

SCHEDULED MAINTENANCE REQUIREMENTS

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

For severe usage maintenance requirements, see page 5-7 of this section.



6/30/2005, 5:34 PM





performed to assure good vehicle control and performance. Keep receipts for
 frequency of service is determined by whichever occurs first.

clean, adjust, repair or replace if necessary

KILOMETERS X 1000	15	30	45	60	75	90	105	120
MONTHS	12	24	36	48	60	72	84	96
(GASOLINE)								
	R	R	R	R	R	R	R	R
A/CON)	I	I	I	I	I	I	I	I
				R				R
	I	I	I	I	I	I	I	I
				I		R		
		I		I		I		I
S		I		I		I		I
	I	R	I	R	I	R	I	R
	See Note							
		I		I		I		I



6/30/2005, 5:34 PM





VEHICLE MAINTENANCE REQUIREMENTS **5-5**

clean, adjust, repair or replace if necessary.

KILOMETERS X 1000	15	30	45	60	75	90	105	120
MONTHS	12	24	36	48	60	72	84	96
(DIESEL)								
(E) European Community Only	R	R	R	R	R	R	R	R
(E) Except European Community	See Note (2)							
	I	I	R	I	I	R	I	I
European Community Only		R		R		R		R
European Community	See Note (3)							
								R
(R & A/CON)		I		I		I		I
	I	I	I	I	I	I	I	I
	I	I	I	I	I	I	I	I
	I	I	I	I	I	I	I	I



STARTING A LONG TRIP - "I"
WHICHEVER OCCURS FIRST : "R"
MONTHS AND REPLACE EVERY 15,000KM OR 12 MONTHS.
IF CARTRIDGE, USE HYUNDAI GENUINE PARTS.



6/30/2005, 5:34 PM





tion, clean, adjust, repair or replace if necessary

KILOMETERS X 1000	15	30	45	60	75	90	105	120
MONTHS	12	24	36	48	60	72	84	96
	I	I	I	I	I	I	I	I
	See Note							
	I	I	I	I	I	I	I	I
y Only	I	I	I	I	I	R	I	I
mmunity	I	I	I	I	I	I	I	I
	I	I	I	I	I	I	I	I
		I		I		I		I
E		I		I		I		I
	I	I	I	I	I	I	I	I
	I	I	I	I	I	I	I	I
VER ARM BALL JOINT	I	I	I	I	I	I	I	I
	I	I	I	I	I	I	I	I
		I		I		I		I
	I	I	I	I	I	I	I	I
R AND BLOWER UNIT)	R	R	R	R	R	R	R	R

ANT 100,000 KM OR 60 MONTHS.
OR 24 MONTHS.



6/30/2005, 5:34 PM





UNDER SEVERE USAGE CONDITIONS

requently on cars normally used under severe driving conditions. Refer to the intervals.

on, clean, adjust, repair or replace if necessary

	MAINTENANCE OPERATION	MAINTENANCE INTERVALS	DRIVING CONDITION
	R	EVERY 7,500 KM OR 6 MONTHS	A, B, C, D, E, F, G, H, I, K
	R	MORE FREQUENTLY	C, E
	R	MORE FREQUENTLY	B, H
	R	EVERY 60,000 KM OR 48 MONTHS	D, E, F, G, I
	I	MORE FREQUENTLY	C, D, G, H
	I	MORE FREQUENTLY	C, D, G, H
	I	MORE FREQUENTLY	C, D, E, F
	I	EVERY 15,000 KM OR 12 MONTHS	C, D, E, F
	R	EVERY 100,000 KM	C, D, E, G, H, I, J
	R	EVERY 45,000 KM	A, C, E, F, G, H, I
/		EVERY 40,000 KM	
unit)	R	MORE FREQUENTLY	C, E



- E - Driving in sandy areas
- F - Driving in heavy traffic area over 32°C(90°F)
- G - Driving on uphill, downhill, or mountain road
- H - Towing a Trailer, or using a camper, or roof rack
- I - Driving as a patrol car, taxi, other commercial use or vehicle towing
- J - Driving over 170 Km/h(100 MPH)
- K - Frequently driving in stop-and-go conditions





When installing a new filter, run the engine for several minutes, and check for leaks at the connections. Fuel filter should be installed by trained technicians.

F060E01A-AAT

Fuel Lines, Fuel Hoses and Connections

Inspect the fuel lines, fuel hoses and connections for leakage and damage. Only a trained technician replace any damaged or leaking parts immediately.

Do not work on the electrical harness within the engine room with the engine running, since the high currents in the Common Rail system produce considerable magnetic fields.

F060E01A-AAT

o Timing Belt

Inspect all parts related to the timing belt for damage and deformation. Replace any damaged parts immediately.



WARNING (Diesel only): Do not work on injection system with the engine running or within 30 seconds after shutting off engine. High pressure pump, rail, injectors and pressure pipes are subjected to high pressure even after the engine has been switched off. The jet produced by fuel leaks may cause serious injury, if it contacts the body. People using pace-meters should not move closer than 30cm to the ECU or wiring.

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.



6/30/2005, 5:34 PM





VEHICLE MAINTENANCE REQUIREMENTS **5-9**

A-AAT

Spark Plugs

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

F070C01A-AAT

o Engine Coolant

The coolant should be changed at the intervals specified in the maintenance schedule.

X-GAT

Intake Valve clearances (1.1 L)

Correct valve clearance will not only result in unsteady engine operation, it will also cause excessive noise and reduced engine performance. Inspect valve clearance and adjust as required while the engine is hot.

F070D01A-AAT

o Manual Transaxle Oil

Inspect the manual transaxle oil according to the maintenance schedule.

NOTE:

If the oil level is low, check for possible leaks before adding oil. Do not overfill.



Intake-to-rocker arm clearance

Overhead valves 0.2 mm (0.008 in.)

Push valves ... 0.25 mm (0.010 in.)

F070E05A-AAT

o Automatic Transaxle Fluid

The fluid level should be in the "HOT" range of the dipstick, after the engine and transaxle are at normal operating temperature. Check the automatic transaxle fluid level with the engine running and the transaxle in neutral, with the parking brake properly applied. Use Hyundai Genuine ATF SP-III, DIAMOND ATF SP-III, SK ATF SP-III or other brands approved by Hyundai Motor Co., when adding or changing fluid.

A-GAT

Cooling System

Check the cooling system part, such as radiator, coolant reservoir, hoses and connections for leakage and damage. Replace any damaged parts.



6/30/2005, 5:34 PM





A-AAT **Brake Pads, Calipers and Rotors**

Check the pads for excessive wear, scoring for run out and wear, and calipers for fluid leakage.

A-AAT **Exhaust Pipe and Muffler**

Thoroughly inspect the exhaust pipes, hangers and hangers for cracks, deterioration, or damage. Start the engine and listen carefully for any exhaust leaks. Tighten connections or replace parts as necessary.

A-AAT **Suspension Mounting Bolts**

Check the suspension connections for looseness or damage. Retighten to the specified torque.

F070M01A-AAT **o Steering Gear Box, Linkage & Boots/Lower arm Ball Joint**

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

F070N01A-AAT **o Power Steering Pump, Belt and Hoses**

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



6/30/2005, 5:34 PM





VEHICLE MAINTENANCE REQUIREMENTS **5-11**



6/30/2005, 5:34 PM

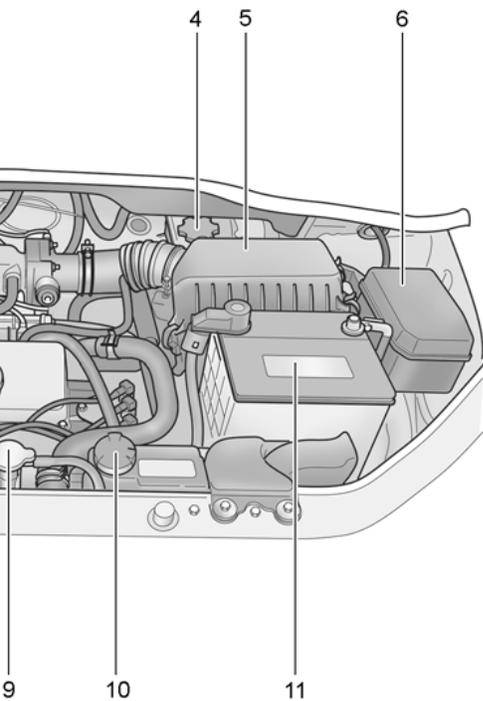




Self Maintenance

.....	6-2
.....	6-5
oil	6-6
coolant	6-9
.....	6-11
ner filter	6-11
ervoir	6-13
le oil (manual)	6-14
le fluid (Automatic)	6-15
.....	6-17
.....	6-18
itioner filter	6-19
.....	6-22
ng fuses	6-23
.....	6-25
ling fans	6-26
evel	6-27
s	6-30
n	6-36





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



HTB160A

4. Air cleaner filter
5. Relay box
6. Windshield washer fluid reservoir
9. Radiator cap
10. Engine coolant reservoir
11. Battery

9. Radiator cap
10. Engine coolant reservoir
11. Battery

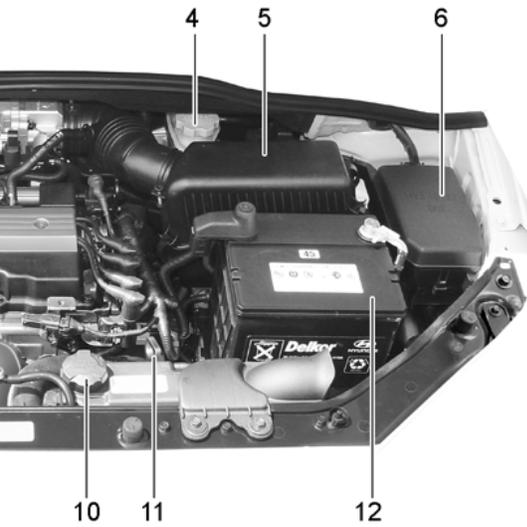


7/29/2005, 10:33 AM





6 DOHC)



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



HTB5001

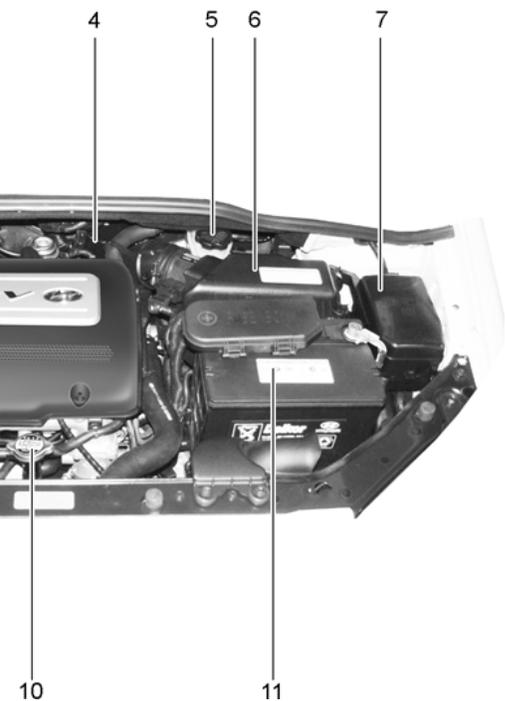
4. Air cleaner filter
 5. Relay box
 6. Windshield washer fluid reservoir
 7. Dipstick
 8. Engine oil level dipstick

9. Radiator cap
 10. Engine coolant reservoir
 11. Automatic transaxle fluid level dipstick (If installed)
 12. Battery



7/29/2005, 10:33 AM





CAUTION:

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



HTB159

4. Brake fluid and clutch fluid reservoir
5. Air cleaner filter
6. Relay box

7. Windshield washer fluid reservoir cap
8. Engine oil level dipstick
9. Radiator cap
10. Battery



7/29/2005, 10:33 AM





A-AAT

Vehicle Exterior

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

- o Overall appearance and condition
- o Wheel condition and wheel nut torque
- o Air filter condition
- o Exhaust system condition
- o Light condition and operation
- o Windshield glass condition
- o Wiper blade condition
- o Paint condition and body corrosion
- o Fluid leaks
- o Door and hood lock condition
- o Tire pressure and condition (including spare tire)

G020C01A-AAT

Vehicle Interior

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

- o Lights operation
- o Windshield wiper operation
- o Horn operation
- o Defroster, heater system operation (and air conditioning, if installed)
- o Steering operation and condition
- o Mirror condition and operation
- o Turn signal operation
- o Accelerator pedal operation
- o Brake operation, including parking brake
- o Manual transaxle operation, including clutch operation
- o Automatic transaxle operation, including "Park" mechanism operation
- o Seat control condition and operation
- o Seat belt condition and operation
- o Sunvisor operation

If you notice anything that does not operate correctly or appears to be functioning incorrectly, inspect it carefully and seek assistance from your Hyundai dealer if service is needed.

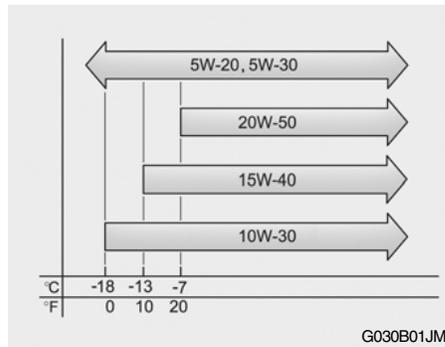




WARNING:
 Performing maintenance work on a vehicle can be dangerous. You can be seriously injured while performing some maintenance procedures. If you lack sufficient knowledge and experience or the proper tools and equipment to do the work, have it done by an authorized Hyundai dealer.
 Working under 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 work on 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 cooling fans.

G030A02O-GAT

CHECKING THE ENGINE OIL Gasoline Engine Recommended Oil



Engine oil is essential to the performance and service of the engine. It is suggested that you check the oil level at least once a week in normal use and more often if you are on a trip or driving in severe conditions.

The engine oil quality should meet the following classification.

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



7/29/2005, 10:33 AM





DO-IT-YOURSELF MAINTENANCE **6-7**

Oil is essential to the performance and service of the engine. It is recommended that you check the oil level every 500km or before starting a long drive and more often if you are driving in severe conditions.

Engine oil quality should meet the following classification:

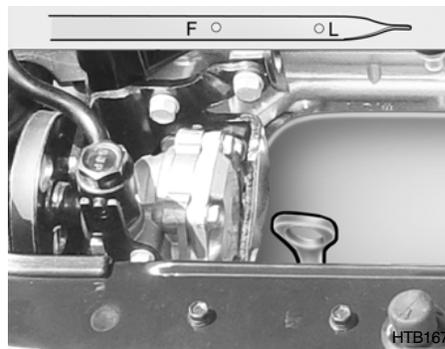
- Class: CH4 or ABOVE
- SAE class: B4 or ABOVE

NOTE: SAE 15W-30 oil is for extra cold zone and should not be restricted by driving conditions and operating area. (Especially, not recommended for sustained high speed operation)

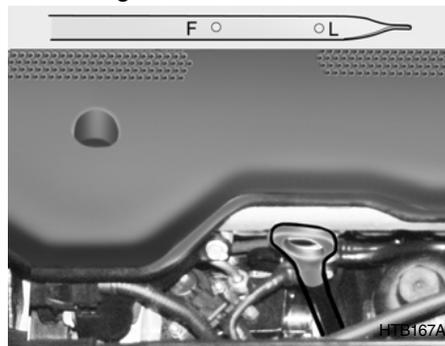
G030C02JM-GAT

To Check the Oil Level

Gasoline engine



Diesel engine



7/29/2005, 10:34 AM





HTB-GAT
Adding Oil
Gasoline engine



If the oil level is close to or below the "L" mark, add oil until it reaches the "F" mark. To add oil:

1. Remove the oil filler cap by turning it counterclockwise.
2. Add oil, then check the level again. Do not overfill.
3. Replace the cap by turning it clockwise.

The distance between the "F" and "L" marks is equal to about 1 liter (Gasoline Engine)/1.5 liter (Diesel Engine) of oil.

Gasoline engine



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

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



7/29/2005, 10:34 AM





Engine oil consumption

It is normal that an engine should consume some engine oil while normal driving. The cause of oil consumption in a normal engine are as follows;

Engine oil is used to lubricate pistons, piston rings and cylinders.

A thin film of oil is left on the cylinder wall when a piston moves downwards in the cylinder. High negative pressure generated during engine operation sucks some of the oil into the combustion chamber.

Some oil with some oil of the cylinder wall is burned by the high temperature combustion gases during the combustion process.

Engine oil consumption is strongly affected by the viscosity and quality of oil, engine rpm and driving condition etc. The engine oil is more consumed under severe driving conditions such as high speeds and frequent acceleration and deceleration than normal driving condition.

G050A01TG-AAT

CHECKING THE ENGINE COOLANT



WARNING:

Do not remove the radiator cap when the engine is hot. When the engine is hot, the engine coolant is under pressure and may erupt through the opening if the cap is removed. You could be seriously burned if you do not observe this precaution. Do not remove the radiator cap until the radiator is cool to the touch.

NOTE:

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





high quality ethylene-glycol coolant in a 50/50 mix with water. The 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. Do not 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 engine coolant, refer to the following table.

G050C02A-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 cold. If the level is below the "L" mark, add engine coolant to bring it up between "L" and "F". If the level is low, inspect for coolant leaks and recheck the fluid level frequently. If the level drops again, visit your Hyundai dealer for an inspection and diagnosis of the reason.



Ambient temperature (°F)	Engine coolant concentration	
	Antifreeze solution	Water
5 (5)	35%	65%
13 (-13)	40%	60%
31 (-31)	50%	50%
49 (-49)	60%	40%

! 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.



7/29/2005, 10:34 AM





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

Recommended Spark Plugs:

	Unleaded engine	Leaded engine
MPION	RC10YC4	RC10YC
	BKR5ES-11	BKR5ES

G070A01TB-AAT

CHANGING THE AIR CLEANER FILTER

Gasoline engine



Diesel engine





Wiper blades should be carefully inspected from time to time and cleaned to remove accumulations of road film and other debris. To clean the wiper blades and arms, use a clean sponge soaked with a mild soap or detergent solution. If the wipers continue to streak or smear the glass, replace them with Genuine Hyundai Replacement parts or their equivalent.

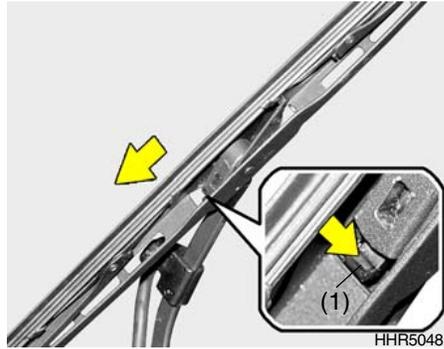
CAUTION:
Do not operate the wipers on dry glass. This can result in more rapid wear of the wiper blades and may scratch the glass. Keep the blade rubber out of contact with petroleum products such as engine oil, gasoline, etc.

G080B01HR-GAT

Replacing the Wiper Blades

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

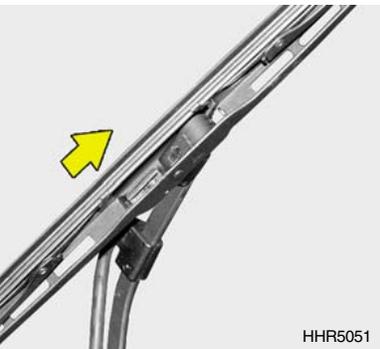


7/29/2005, 10:34 AM





Fit a new wiper blade onto the wiper arm and lower the wiper blade at the end of the wiper arm as shown in the following.



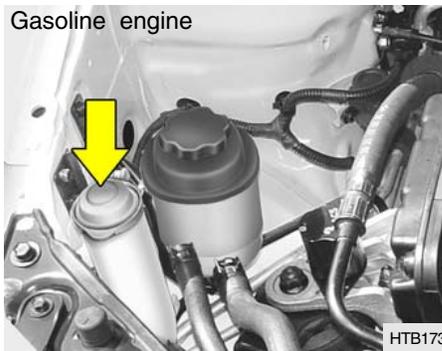
Pull up the wiper blade until you hear an audible "click" to engage in the end of the wiper arm.

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

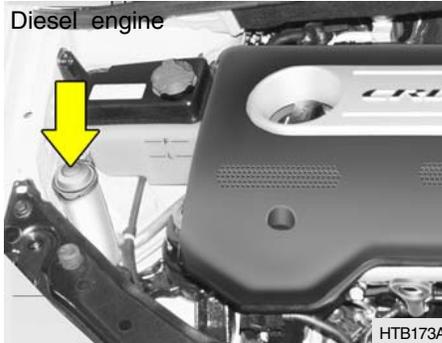
G090A02A-GAT

FILLING THE WASHER RESERVOIR

Gasoline engine



Diesel engine



The washer fluid reservoir supplies fluid to the windshield washer system.

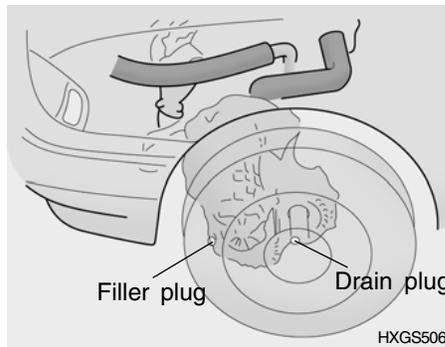




WARNING:
Windshield washer fluid agents contain some amounts of alcohol and can be flammable under certain circumstances. Do not allow sparks or flame to contact the washer fluid or the washer fluid reservoir. Damage to the vehicle and its occupants could occur. Windshield washer fluid is poisonous to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

G100A02TB-GAT

CHECKING THE TRANSAXLE OIL (MANUAL)



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

Recommended Oil

Use only HYUNDAI GENUINE PARTS MTF 75W/85 (API GL-4) in the manual transaxle.

Manual Transaxle Oil Capacity

The oil capacity of the manual transaxle is 2.15 liters for gasoline engine and 2.0 liters for diesel engine.



7/29/2005, 10:34 AM





E-AAT
CHECKING THE TRANSAXLE FLUID (AUTOMATIC)

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

Note: Automatic transaxle fluid is basic red color. As driving distance increases, the fluid color turns dark red gradually. It is normal condition and you should not judge the need to replace based upon the changing color.

You must replace the automatic transaxle fluid in accordance with the intervals specified in the vehicle maintenance schedule in section 5.

G110B04A-AAT
Recommended Fluid

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



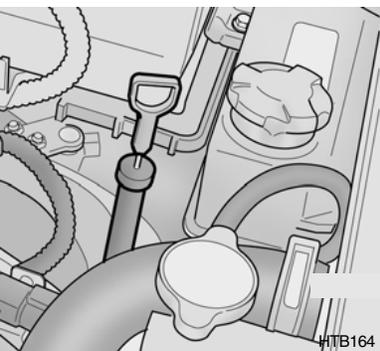


1TB-GAT

Check the Transaxle Fluid

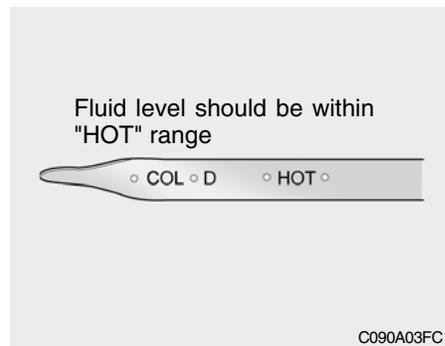
el

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



When the engine is idling, apply the parking brake and move the gear selector from "P" to each of its other positions -- "R", "N", "D", "2", "L" -- and return to "N" or "P". With the engine still idling:

1. Open the hood, being careful to keep hands, long hair and clothing clear of any moving parts.
2. Remove the transaxle dipstick, wipe it clean, reinsert the dipstick as far as it will go, then remove it again. Now check the fluid level on the dipstick. It should be in the "HOT" range on the dipstick.



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



7/29/2005, 10:34 AM





the room with the engine running since the high currents in the common Rail system produce considerable magnetic fields.

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.

A-AAT

CHECKING THE BRAKES

CAUTION:
Since brakes are essential to the operation of the car, it is suggested that they be checked and inspected by your Hyundai dealer. Brakes should be checked and inspected for wear at those intervals specified in the vehicle maintenance schedule in Section 5.

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.





Adding Brake Fluid

WARNING:
Add 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 in the 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.

...d brake fluid;
...t is necessary, remove the air
...aner cover.
...pe away any dirt then unscrew the
...d reservoir cap.
...owly pour the recommended fluid
...o the reservoir using a funnel.
...ot overfill. Before using, check
...e condition of the funnel to prevent
...e mixture of a foreign substance.
...refully replace the cap on the res-
...ervoir and tighten.

AIR CONDITIONING CARE Keeping the Condenser Clean

The air conditioning condenser (and engine radiator) should be checked periodically for accumulation of dirt, dead insects, leaves, etc. These can interfere with maximum cooling efficiency. When removing such accumulations, brush or hose them away carefully to avoid bending the cooling fans.

Checking the Air Conditioning Operation

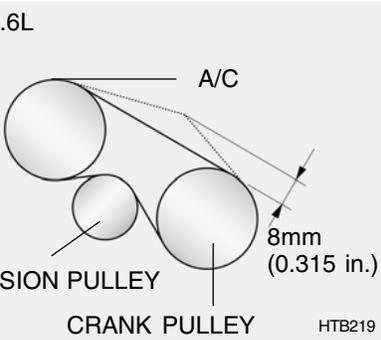
1. Start the engine and let it run at a fast idle for several minutes with the air conditioning set at the maximum cold setting.
2. If the air coming out of the in-dash vents is not cold, have the air conditioning system inspected by your Hyundai dealer.

CAUTION:
Running the air conditioning system for extended periods of time with a low refrigerant level may damage the compressor.



7/29/2005, 10:34 AM





When the air conditioning is being used early in the season, the compressor drive belt tension should be checked at least once a month.

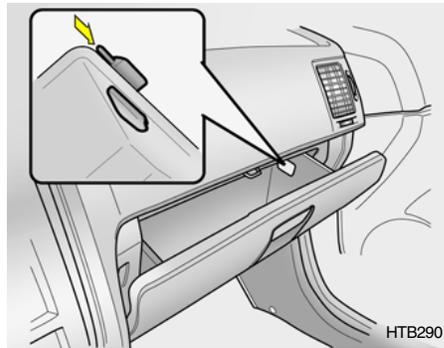
To check the drive belt tension, press down on the belt halfway between the crankshaft and compressor pulleys. Pressing with your finger, you should not be able to deflect this belt more than 8.0 mm (1.1L: 5~ 5.5 mm).

If you have the instruments to measure it with a force of 98N (22 lb.), the deflection should be approx. 8.0 mm (1.1L: 5~ 5.5 mm). If the belt is too loose, have it adjusted by your Hyundai dealer.

B145A02TB-GAT

CHANGING THE AIR CONDITIONER FILTER (In Front of evaporator unit) (If Installed)

The air conditioner filter is located in front of the evaporator unit behind the glove box. It operates to decrease pollutants entering the car.



1. Remove the adjusting pins on both sides of the glove box to open half the glove box.



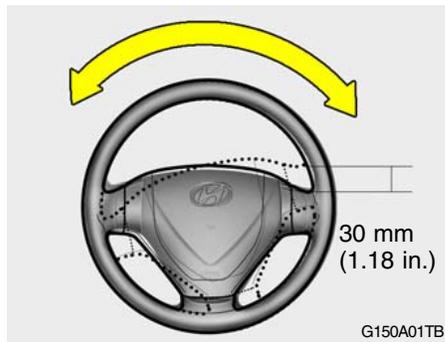


Replace the two filters.
Installation is the reverse order of
disassembly.

CAUTION:
Be sure to install the air conditioner
filters in the direction of the arrow.
Unless, it may cause noise or
vibration.

G150A01A-GAT

CHECKING STEERING WHEEL FREE-PLAY



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

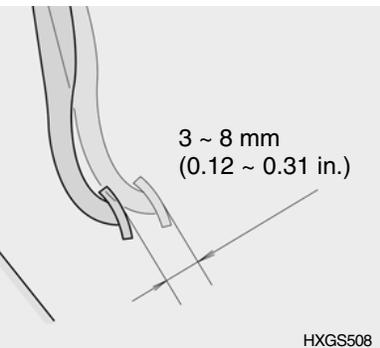


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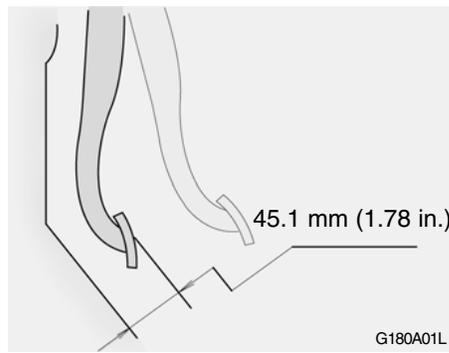
A-GAT
**CHECKING BRAKE PEDAL
FREE-PLAY**



HXGS508

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

G180A01A-GAT
**CHECKING BRAKE PEDAL
CLEARANCE**



G180A01L

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

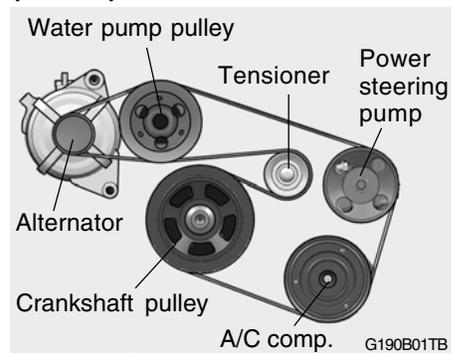




belts should be checked periodically for proper tension and adjusted if necessary. At the same time, belts should be examined for cracks, wear, fraying or other evidence of deterioration and replaced if necessary. Belt routing should also be checked to ensure there is no interference between the belts and other parts of the engine. After a belt is replaced, the belt should be adjusted again two or three weeks to eliminate stretching resulting from initial stretching use.

G190B01TB-GAT

CHECKING DRIVE BELTS (Diesel)



At the scheduled maintenance inspection, belts should be examined for cracks, wear, fraying or other evidence of deterioration and replaced if necessary.

Belt routing should also be checked to be sure there is no interference between the belts and other parts of the engine.



7/29/2005, 10:34 AM

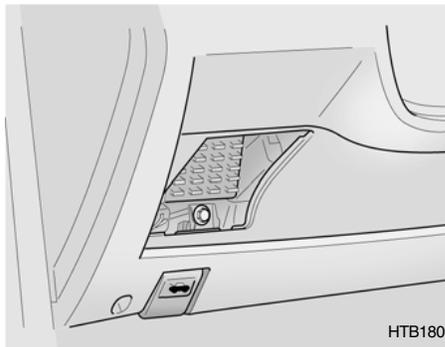




CAUTION:
When replacing a fusible link, never use anything but a new fusible link of the same or lower amperage rating. Never use a piece of wire or a higher-rated fusible link. This could result in serious damage and create a fire hazard.

G200B02A-AAT

Replacing Accessory Fuse

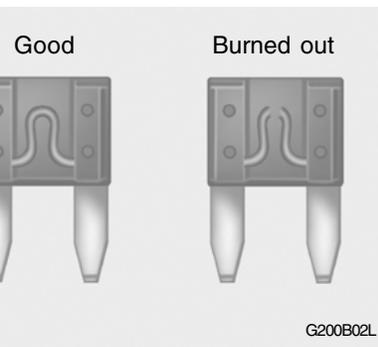


The fuse box for the lights and other electrical accessories will be found low on the dashboard on the driver's side. Inside the box you will find a list showing the circuits protected by each fuse. If any of your car's lights or other electrical accessories stop working, a blown fuse could be the reason. If the fuse has burned out, you will see that the metal strip inside the fuse has burned through. If you suspect a blown fuse, follow this procedure:





...y you can temporarily get along
hout (the radio or cigarette light-
for example). Always remember
replace the borrowed fuse.



CAUTION:

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

NOTE:

See page 6-36 for the fuse panel descriptions.



7/29/2005, 10:34 AM





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 your eyes with water and get medical assistance as soon as possible. While you are being driven to 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.

When batteries are being charged (either by a battery charger or by the vehicle's alternator), they produce explosive gases. Always observe these warnings to prevent injuries from occurring:

Charge batteries only in a well-ventilated area.

Do not permit flames, sparks or smoking in the area.

Keep children away from the area.

G210B01Y-GAT

Checking the Battery

Keep the battery clean. Any evidence of corrosion around the battery posts or terminals should be removed using a solution of household baking soda and warm water. After the battery terminals are dry, cover them with a light coating of grease.

 **WARNING:**

 **Always read the following instructions carefully when handling a battery.**

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

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





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.

G220A01A-AAT

CHECKING ELECTRIC COOLING FANS



WARNING:

The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the coolant fan, so that you are not injured by a rotating fan blade. As the engine coolant temperature decreases the fan will automatically shut off. This is a normal condition.

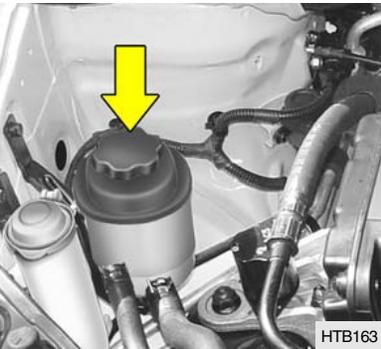


7/29/2005, 10:34 AM





MA-GAT
POWER STEERING FLUID
LEVEL



HTB163

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

NOTE:

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

Recommended Fluid

Use PSF-3 type fluid

NOTE:

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

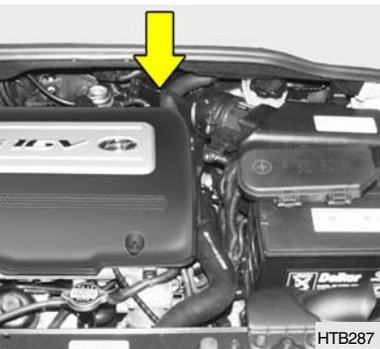


7/29/2005, 10:34 AM





TB-GAT
**REMOVAL OF WATER FROM
FUEL FILTER
(SEL ENGINE)**



! **WARNING:**
Be sure to carefully wipe away any water drained out in this manner, because the fuel mixed in the water might be ignited and result in a fire.

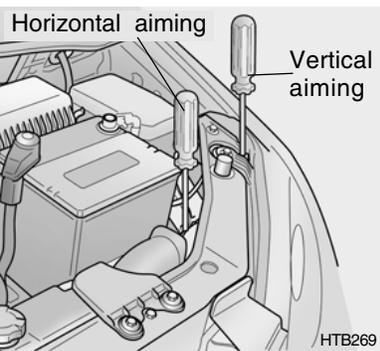
When the fuel filter warning light illuminates during driving, it indicates that water has accumulated in the fuel filter.

NOTE:
It is recommended that water accumulated in the fuel filter should be removed by an authorized Hyundai dealer.



7/29/2005, 10:34 AM





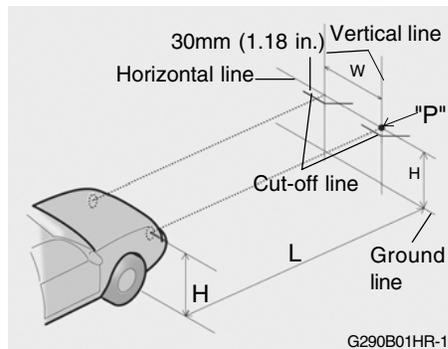
Open the hood.
Draw the vertical line (through the center of each headlight beam pattern) and the horizontal line (through the center of each headlight beam pattern) on the aiming screen.

Then, draw the horizontal parallel line at 30 mm (1.18 in.) under the horizontal line.

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

G290B01TB-GAT

Adjustment After Headlight Assembly Replacement



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

1. Adjust headlights so that main axis of light is parallel to center line of the body and is aligned with point "P" shown in the illustration.
2. Dotted lines in the illustration show the center of headlights.





TB-GAT

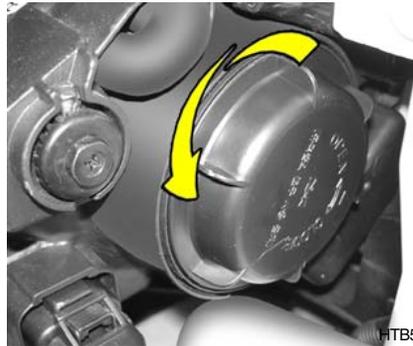
REPLACEMENT OF BULBS Headlight Bulb

When attempting to replace a headlight bulb, be sure the switch is turned to the "OFF" position.

The next paragraph shows how to remove the headlight bulbs so they may be replaced. Be sure to replace the burned-out bulb with one of the same type and wattage rating.

CAUTION:
Keep the lamps out of contact with petroleum product, such as oil, grease, etc.

1. Allow the bulb to cool. Wear eye protection.
2. Always grasp the bulb by its plastic base, avoid touching the glass.
3. Disconnect the power cord from the bulb base in the back of the headlight.

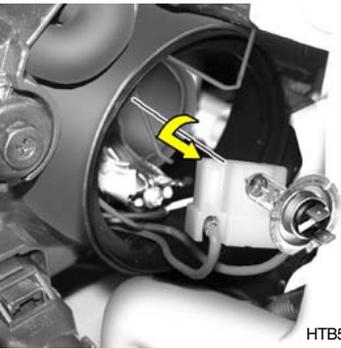


4. Remove the dust cover.



7/29/2005, 10:34 AM





HTB5011

Remove the protective cap from the replacement bulb and install the new bulb by matching the plastic base with the headlight hole. Install the dust cover after retightening the bulb ring and reconnect the power cord. Reattach the protective cap and carton to the disposal of the old bulb. Check for proper headlight aim.

! **WARNING**
The halogen bulb contains gas under pressure and if impacted could shatter, resulting in flying fragments. Always wear eye protection when servicing the bulb. Protect the bulb against abrasions or scratches and against liquids when lighted. Turn on the bulb only when installed in a headlight. Replace the headlight if damaged or cracked. Keep the bulb out of the reach of children and dispose of the used bulb with care.



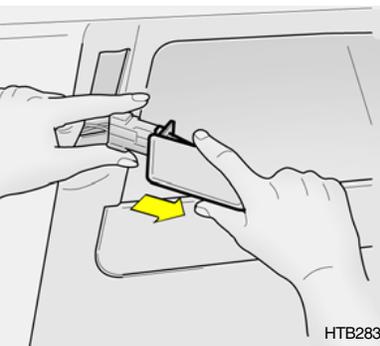


HTB-GAT
Gage Compartment Light
(stalled)



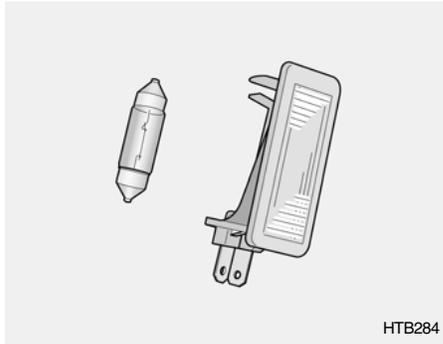
HTB282

Remove the cover with a (-) driver.



HTB283

Disconnect the power cord.



HTB284

3. Replace to the new bulb.

G270D01TB-GAT
Rear Combination Light



HTB5013



7/29/2005, 10:34 AM

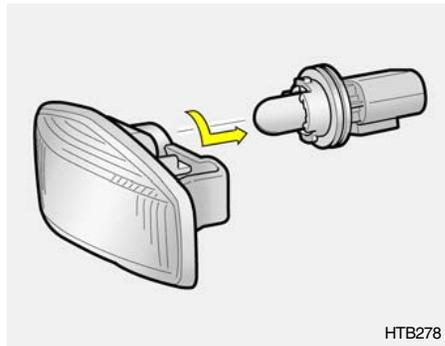




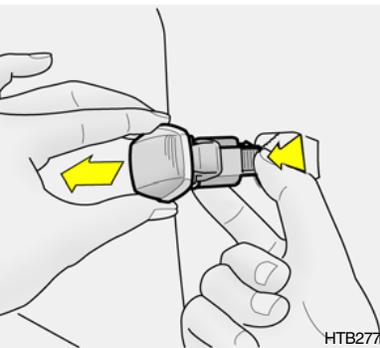
A-GAT
Repeater (If Installed)



Slide the cover toward the front of the bumper and remove it.



3. Replace to the new bulb.

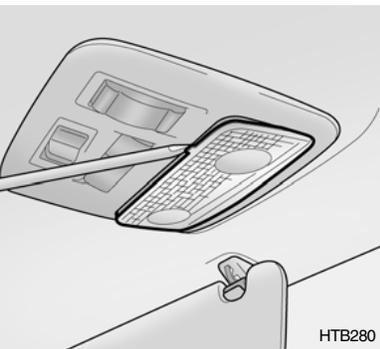


Disconnect the power code.

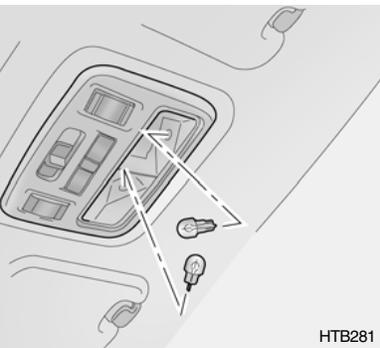




TB-GAT
Interior Light (If installed)



Remove the cover with a (-) driver.



Place the new bulb.

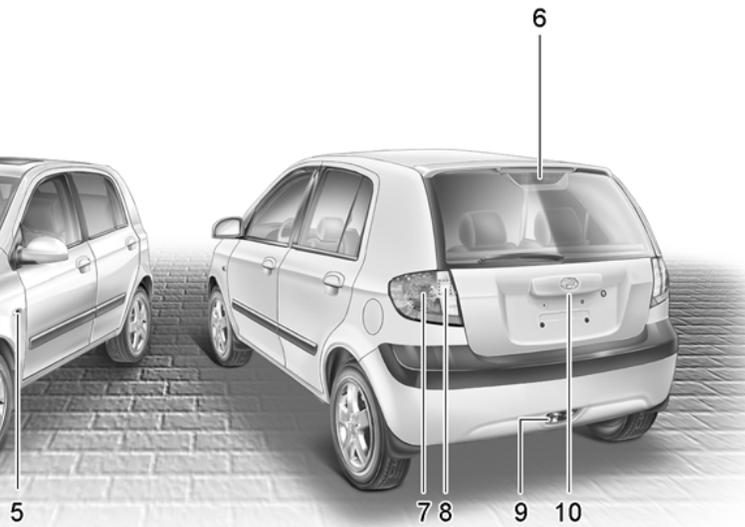


7/29/2005, 10:34 AM





DO-IT-YOURSELF MAINTENANCE **6-35**



G280A01TB



Socket type	No.	Part Name	Wattage	Socket type	
P43t	6	High Mounted Rear Stop Light	16	W2.1 x 9.5d	
W2.1 x 9.5d	7	Rear Combination	Turn Signal Light	21	BAU15s
W2.1 x P9.5D			Stop/Tail Light	21/5	BA15d
S8.5 / 8.5			Back -up Light	16	BA15s
BA15s	8	Luggage Compartment Light	5	S8.5/8.5	
PGJ13	9	Rear Fog Light (If installed)	21	BA15s	
W2.1 x P9.5D	10	License Plate Light	5	W2.1 x 9.5d	



7/29/2005, 10:34 AM





DESCRIPTION	FUSE RATING	PROTECTED COMPONENTS
IGN 2	30A	Ignition Switch
IGN 1	30A	Ignition Switch, Start Relay
ECU	30A	Fuel pump, Alternator, ECM
RAD	30A	Radiator Fan
BATT	50A	Headlight, Defogger Relay
ABS	10A	ABS
C/LIGHTER	25A	C/lighter
F/PUMP	15A	Auto Fuel Cut Switch
ECU-B	10A	
ABS1	20A	ABS
ABS2	40A	ABS
BLW	30A	Blower, Blower Motor
P/WDW	30A	Power Window
EPS	50A	Electronic power steering
ECU-1	10A	ECM
ECU-2	20A	ECM
SNSR	10A	A/CON, Fuel Pump
INJ	15A	Injector
A/CON	10A	A/Conditioner
HORN	10A	Horn
BATT	100A	Alternator



may be applicable to your vehicle. It is accurate at the time of printing.
vehicle, refer to the fuse box label.



7/29/2005, 10:34 AM





DO-IT-YOURSELF MAINTENANCE **6-37**

DESCRIPTION	FUSE RATING	PROTECTED COMPONENTS
IGN 2	30A	Ignition Switch
IGN 1	30A	Ignition Switch, Start Relay
ECU	30A	Fuel pump, Alternator, ECM
FFHS	30A	FFHS
RAD	30A	Radiator Fan
BATT	50A	Headlight, Defogger Relay
ABS	10A	ABS
C/LIGHTER	25A	C/lighter
F/PUMP	15A	Auto Fuel Cut Switch
ECU-B	10A	
ABS1	20A	ABS
ABS2	40A	ABS
BLW	30A	Blower, Blower Motor
P/WDW	30A	Power Window
EPS	50A	Electronic power steering
ECU-1	10A	ECM
ECU-2	20A	ECM
SNSR	10A	A/CON, Fuel Pump
INJ	15A	Injector
A/CON	10A	A/Conditioner
HORN	10A	Horn
BATT	100A	Alternator



It may be applicable to your vehicle. It is accurate at the time of printing. For more information, refer to the fuse box label.



7/29/2005, 10:34 AM





DESCRIPTION	FUSE RATING	PROTECTED COMPONENTS
FRONT CONN & R/LP	15A	Room Lamp, Audio, Cluster
H/LP LH	15A	High Beam Light Indicator, Headlight (LH)
F/FOG	10A	Front Fog Light
H/LP RH	15A	Headlight (RH)
PR/HTD	30A	Rear window Defroster
BLOWER	10A	Blower, Sunroof
IGNITION	10A	Fog light, ETACM, Power Window, Headlight leveling Device
R/FOG	10A	Rear Fog Light
FRT WPR	20A	Front Wiper Motor
HAZARD	15A	Hazard Warning Light, ETACM
STOP	15A	Stop Light, Power Window
ECU2	15A	ECM
HTD MIR	10A	Rear window Defroster
S/HTD	20A	Seat Warmer
DRL	10A	Daytime Running Light
START	10A	Start Relay, Theft alarm system
RR/WPR	15A	Rear Wiper Motor
D/LOCK	20A	Door Lock System, Sunroof
A/BAG	10A	Air Bag
ECU1	10A	PCM, ABS control
P/OUTLET	15A	Power outlet
CLUSTER	10A	Cluster
TAIL RH	10A	STOP/Tail Light (RH)
T/SIG	10A	Turn Signal Light, Back-up Light
AUDIO	15A	Audio, Electronic Outside Mirror
A/BAG IND	10A	A/Bag, Indicator
TAIL LH	10A	Stop/Tail Light (LH)
A/C SW	10A	Air conditioner



7/29/2005, 10:34 AM



DESCRIPTION	FUSE RATING	PROTECTED COMPONENTS
A/C SW	10A	Air conditioner
TAIL LH	10A	Stop/Tail Light (LH)
A/BAG IND	10A	A/Bag Indicator
AUDIO	15A	Audio, Electronic Outside Mirror
T/SIG	10A	Turn signal Light, Back-up Light
TAIL RH	10A	Stop/Tail Light (RH)
CLUSTER	20A	Cluster
P/OUTLET	15A	Power outlet
ECU 1	10A	PCM, ABS control
A/BAG		Air Bag
D/LOCK		Door Lock System, Sunroof
RR/WPR	20A	Rear Wiper Motor
START	10A	Start Relay, Theft alarm system
S/HTD	15A	Seat Warmer
HTD MIR	20A	Rear window Defroster
ECU2	10A	ECM
STOP	10A	
HAZARD	10A	Hazard Warning Light, ETACM
FRT WPR	30A	Front Wiper Motor
R/FOG	15A	Rear Fog Light
IGNITION	10A	Fog light, ETACM, Power Window, Headlight leveling Device
BLOWER	15A	Blower, Sunroof
PR HTD	15A	Rear window Defroster
H/LP RH	15A	Headlight (RH)
F/FOG		Front Fog Light
H/LP LH		High Beam Light Indicator, Headlight (LH)
FRONT CONN & R/LP		Room Lamp, Audio, Cluster



CONTROL SYSTEM

tem	7-2
.....	7-3
.....	7-4





IA-AAT

Crankcase Emission Control System

Positive crankcase ventilation (PCV) is employed to prevent air pollution caused by blow-by gases emitted from the crankcase. The PCV system supplies fresh air to the crankcase through the air intake hose. As the crankcase pressure drops, the fresh air is drawn in along with blow-by gases, which then exit through the PCV valve and into the induction system.

are drawn into the induction system through the purge control solenoid valve.

Purge Control Solenoid Valve (PCSV)

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



2E-GAT

Evaporative Emission Control System

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

Canister

When the engine is inoperative, fuel vapors generated inside the fuel tank are absorbed and stored in the canister. When the engine is running, the vapors absorbed in the canister

H010D01A-AAT

3. Exhaust Emission Control System

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



6/14/2005, 3:31 PM





IS-GAT

CATALYTIC CONVERTER for a diesel engine

Hyundai vehicles are equipped with a three-way oxidation type catalytic converter to reduce the carbon monoxide, hydrocarbons and particulate contained in the exhaust gas.

IA-GAT

Protect the Catalytic Converter

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

Use unleaded fuel only.

Maintain your engine in good condition. Extremely high converter temperatures can result from improper operation of the electrical, ignition or fuel injection systems.

- o If your engine stalls, pings, knocks, or is hard to start, take your car to your Hyundai dealer as soon as possible and have the difficulty corrected.
- o Avoid driving with a very low fuel level. If you run out of gasoline, it could cause the engine to misfire and result in excessive loading of the catalytic converter.
- o Avoid idling the engine for periods longer than 10 minutes.
- o Your Hyundai should not be either pushed or pulled to get it started. This can cause the catalytic converter to overload.
- o Take care not to stop your Hyundai over any combustible material such as grass, paper, leaves or rags. As these materials could come in contact with the catalytic converter and could cause a fire.
- o Do not touch the catalytic converter or any other part of the exhaust system while the engine is running as it is very hot and could result in burns.
- o Remember that your Hyundai dealer is your best source of assistance.





6/14/2005, 3:31 PM





ER INFORMATION

Number (VIN)	8-2
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.....	8-6



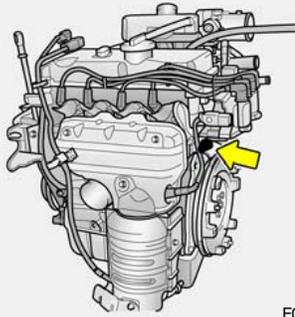


Vehicle identification number (VIN)
number used in registering your
and in all legal matters pertaining to
ownership, etc.
be found on the center pillar of the
r side and the lower side of the
passenger seat.

I010B01A-GAT

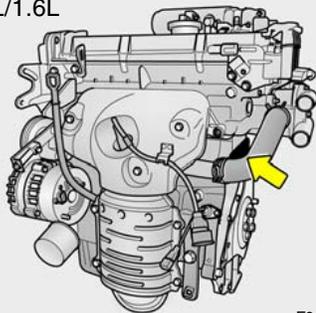
ENGINE NUMBER

1.1L



F040A01TB

1.4L/1.6L



F040A02TB



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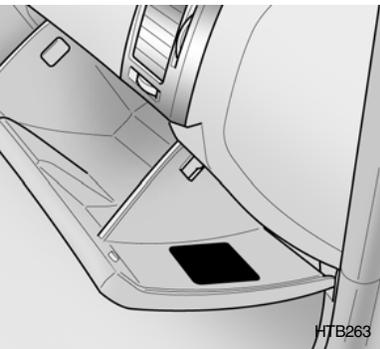




...AAT
INFORMATION

...res supplied on your new Hyundai
...osen to provide the best perfor-
...e for normal driving.

...B-GAT
**COMMENDED INFLATION
PRESSURES**



...tire label located in the glove box
...the tire pressures recommended
...ur car.

ENG- INE	RIM SIZE	TIRE SIZE	PRESSURE, kPa (PSI)			
			UP TO 2 PERSONS		UP TO MAX. LOAD	
			FRONT	REAR	FRONT	REAR
GASO- LINE	5.0Jx14	165/65R14				
	5.5Jx14	175/65R14	210(30)	210(30)	230(33)	230(33)
	5.5Jx15	185/55R15				
DIE- SEL	5.0Jx14	175/65R14				
	5.5Jx14	175/65R14	220(32)	220(32)	230(33)	230(33)
	5.5Jx15	185/55R15				
	4.0Tx14	T105/70D14	420(60)	420(60)	420(60)	420(60)

These pressures were chosen to provide the most satisfactory combination of ride comfort, tire wear and stability under normal conditions. Tire pressures should be checked at least monthly. Proper tire inflation pressures should be maintained for these reasons:

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





S-GAT

SNOW TIRES

Equip your car with snow tires, which should be the same size and have the same load capacity as the original tires. Snow tires should be installed on the front wheels; otherwise, poor handling may result.

Snow tires should carry 28 kPa (4 psi) air pressure than the pressure recommended for the standard tires on the tire label on, or up to the maximum pressure shown on the tire sidewall whichever is less.

Do not drive faster than 120 km/h (75 mph) when your car is equipped with snow tires.

I050A01TB-GAT

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:**

- o When driving on roads covered with snow or ice, drive at less than 30 km/h (20 mph).
- o Use the SAE "S" class or wire & plastic chains.
- o Don't use the tire chains in 185/55R 15 tire to prevent body damage.
- o If you have noise caused by chains contacting the body, retighten the chain to avoid contact with the vehicle body.
- o Retighten the chains to prevent from a body damage after driving 0.5 ~ 1 km with equipping chains.



6/29/2005, 10:49 AM





WARNING:
 Do not use the temporary spare
 tire for tire rotation.
 Do not mix bias-ply and radial-
 ply tires under any circum-
 stances. This may cause danger-
 ous handling characteristics.

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.

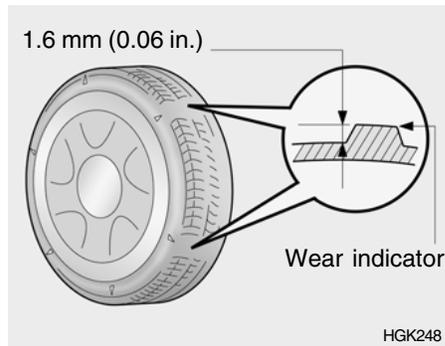
A-AAT

BALANCING

A tire that is out of balance may affect steering 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 any reason, it should be rebalanced before it is reinstalled on the car.

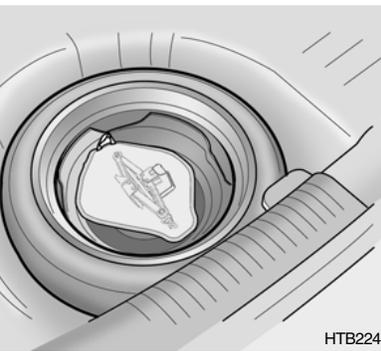
I090A01S-GAT

WHEN TO REPLACE TIRES





HTB-GAT
RE TIRE AND TOOLS



HTB224

Hyundai is delivered with the following:

1 spare tire and wheel
1 wheel nut wrench, Wrench bar,
1 screwdriver, Screw driver,

1 jacking hook



6/29/2005, 10:49 AM





SPECIFICATIONS

..... 9-2
..... 9-3
..... 9-4





mm (in.)

0.6)
5.6)
3.9)
3.7)
5.7)
7.1)
5.7)

J030A02TB-GAT

TIRE

Option	165/65R14, 175/65R14, 185/55R15
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J035A01TB-GAT

SPARE TIRE

Standard	T105/70D14(Temporary)
Option	Full size

J040A04TB-GAT

ELECTRICAL

Item	GASOLINE			DIESEL
	1.1 L	1.4 L	1.6 L	1.5 L
Battery	45AH, 55AH			68AH
Alternator	13.5V, 70A	13.5V, 90A		12V, 90A



8 in.)

J050A01FC-GAT

BRAKE

Type	Dual hydraulic with brake booster
Front brake type	Ventilated disc
Rear brake type	Drum
Parking brake	Cable

p.gal

9.9



7/29/2005, 10:37 AM





VEHICLE SPECIFICATIONS **9-3**

GASOLINE			DIESEL
1.1 L	1.4 L	1.6 L	1.5L
4-Cylinder in-line SOHC	4-Cylinder in-line DOHC		4-Cylinder in-line DOHC
67 x 77	75.5 x 78.1	76.5 x 87	83 x 92
1,086	1,399	1,599	1,493
1-3-4-2			1-3-2
0.13 mm	-	-	-
0.17 mm	-	-	-
BKR5ES-11			-
RC10YC4			-
BKR5ES			-
RC10YC			-
1.0 ~ 1.1 mm (0.039 ~ 0.043 in.)			-
0.7 ~ 0.8 mm (0.028 ~ 0.032 in.)			-
850 ± 100	700 ± 100		-
BTDC 6° ± 5°	BTDC 5° ± 5°		Auto control



7/29/2005, 10:37 AM





Oil & Grease Standard	Quantity (liter) (Imp.qts.)
5W-20, 5W-30	Drain and refill (with oil filter)
10W-30 (ABOVE -18°C)	1.1L : 3.0 liter (2.6 Imp.qts.)
15W-40 (ABOVE -13°C)	1.4L/1.6L : 3.3 liter (2.9 Imp.qts.)
20W-50 (ABOVE -7°C)	
30 (0°C ~ 40°C)	Drain and refill (with oil filter)
20W-40 (ABOVE -10°C)	: 5.3 liter (4.2 Imp.qts.)
15W-40 (ABOVE -15°C)	
10W-30 (-20°C ~ 40°C)	
5W-30 (-25°C ~ 40°C)	
0W-30 (BELOW 10°C) *1, *2	
Operating condition and dealing area	
for sustained high speed vehicle operation	
Condition	MAX. 1L / 1,500 Km
Condition	MAX. 1L / 1,000 Km
PARTS MTF 75W/85 (API GL-4)	Gasoline : 2.15 liter (1.86 Imp.qts.) Diesel : 2.0 liter (1.75 Imp.qts.)
ATF SP-III, DIAMOND ATF SP-III, or brands approved by Hyundai Motor Co.,	6.1 liter (5.3 Imp.qts) (Gasoline only)
	As required
divalent	As required
for aluminum radiator	Gasoline : 5.5 liter (4.8 Imp.qts.) Diesel: 5.7 liter (5.0 Imp.qts.)



7/29/2005, 10:37 AM

