

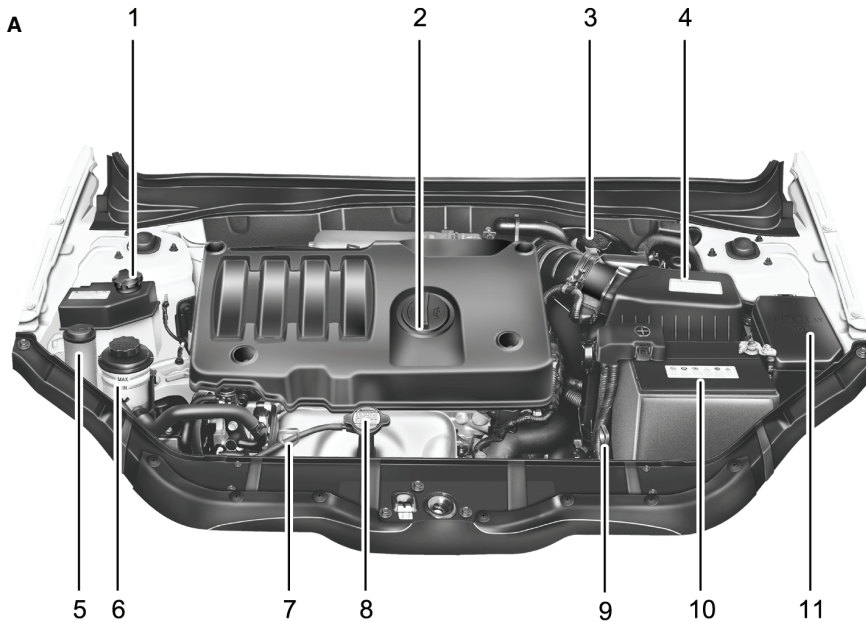
SATURDAY MECHANICS

Do-It-Yourself Maintenance

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G010A01MC-AAT

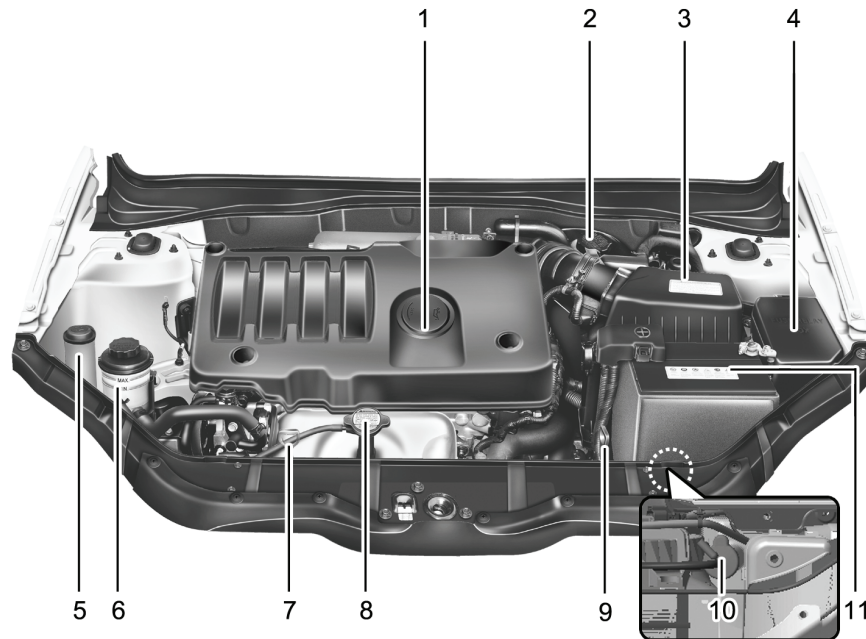
Type A



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

OMC059036

- | | | | | | |
|-----------------------------------|------|------------------------------------|------|------------------------------------|------|
| 1. Engine coolant reservoir | 6-9 | 5. Windshield washer fluid | | 6. Radiator cap | 6-8 |
| 2. Engine oil filler cap | 6-7 | reservoir cap | 6-12 | 9. Automatic transaxle fluid level | |
| 3. Brake fluid reservoir | 6-15 | 6. Power steering fluid reservoir | | dipstick (If Installed) | 6-13 |
| 4. Air cleaner filter | 6-9 | (If Installed) | 6-22 | 10. Battery | 6-20 |
| | | 7. Engine oil level dipstick | 6-6 | 11. Fuse/Relay box | 6-17 |

Type B

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

OMC059036L

- 1. Engine oil filler cap 6-7
- 2. Brake fluid reservoir 6-15
- 3. Air cleaner filter 6-9
- 4. Fuse/Relay box 6-17

- 5. Windshield washer fluid reservoir cap 6-12
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- 7. Engine oil level dipstick 6-6

- 8. Radiator cap 6-8
- 9. Automatic transaxle fluid level dipstick (If Installed) 6-13
- 10. Engine coolant reservoir 6-9
- 11. Battery 6-20

GENERAL CHECKS

G020A01A-AAT

Engine Compartment

The following should be checked regularly:

- o Engine oil level and condition
- o Transaxle fluid level and condition
- o Brake fluid level
- o Clutch fluid level
- o Engine coolant level
- o Windshield washer fluid level
- o Accessory drive belt condition
- o Engine coolant hose condition
- o Fluid leaks (on or below components)
- o Power steering fluid level and condition
- o Battery condition
- o Air cleaner filter condition

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Vehicle Exterior

The following should be checked monthly:

- o Overall appearance and condition
- o Wheel condition and wheel nut tightness
- 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 Light operation
- o Windshield wiper operation
- o Horn operation
- o Defroster, heater system operation (and air conditioning, if installed)
- o Steering operation and condition
- o Mirror condition and operation
- o Turn signal operation
- o Accelerator pedal operation
- o Brake operation, including parking brake
- o Manual transaxle operation, including clutch operation
- o Automatic transaxle operation, including "Park" mechanism operation
- o Seat control condition and operation
- o Seat belt condition and operation
- o Sun visor operation

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

MAINTENANCE PRECAUTIONS

G020D01TG-GAT

Improper or incomplete service may result in problems. This section gives instructions only for the maintenance items that are easy to perform.

Several procedures should be done by an authorized Hyundai dealer.

NOTE:

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



WARNING:

- o 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.
- o Working under the hood with the engine running is dangerous. It becomes even more dangerous when you wear jewelry or loose clothing. These can become entangled in moving parts and result in injury. Therefore, if you must run the engine while working under the hood, make certain that you remove all jewelry (especially rings, bracelets, watches, and necklaces) and all neckties, scarves, and similar loose clothing before getting near the engine or cooling fans.

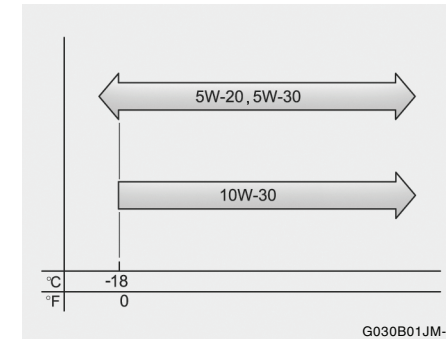
CHECKING THE ENGINE OIL

G030A01A-AAT

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

G030B02O-AAT

Recommended Oil



G030B01JM-U

The engine oil quality should meet the following classification.

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

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



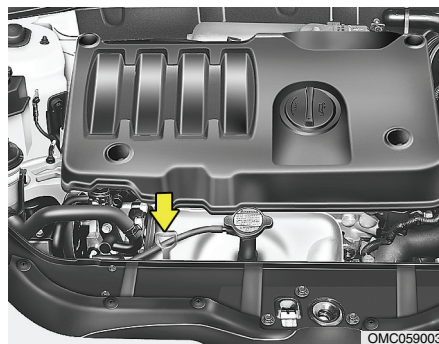
NOTE:

For better fuel economy, it is recommended to use the engine oil of a viscosity grade SAE 5W-20 (API Service SM / ILSAC GF-4). However, if the engine oil is not available in your country, select the proper engine oil using the engine oil viscosity chart.



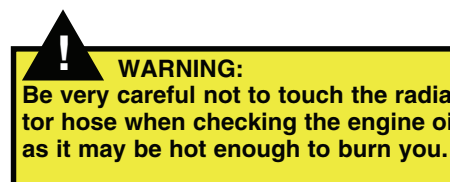
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To Check the Oil Level

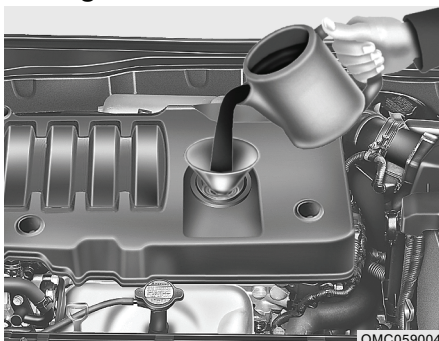


Before checking the oil, warm up the engine to the normal operating temperature and be sure it is parked on level ground. Turn the engine off.

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



G030D01MC-BAT

Adding Oil

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

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

The distance between the "F" and "L" marks is equal to about 1 liter of oil.

**CAUTION:**

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

**WARNING:**

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

**WARNING:**

Used motor oil may cause irritation or cancer of the skin if left in contact with the skin for prolonged periods of time. Wash your hands thoroughly with soap and warm water as soon as possible after handling used oil.

NOTE:

- o It is recommended that the engine oil and filter should be changed by an authorized Hyundai dealer.
- o Always dispose of used engine oil in an environmentally acceptable manner. It is suggested that it be placed in a sealed container and taken to a service station for reclamation. Do not pour the oil on the ground or put it into the household trash.

ENGINE COOLANT LEVEL

G050A01TG-BAT

The coolant level in the reservoir tank will vary with engine temperature. However, if the level is on or below the "L" line, add coolant to the "F" line. Use the same ratio of ethylene glycol type coolant as that in the radiator.

**WARNING:**

Do not remove the radiator cap when the engine is hot. The cooling system is pressurized and the escaping steam could cause serious personal injury. Turn off the engine and allow it to cool before removing the radiator cap. Always cover the radiator cap with a rag before turning it slowly to the first stop. After all pressure has escaped from the system, press down on the cap and turn it to remove it.

NOTE:

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

G050B01TG-BAT

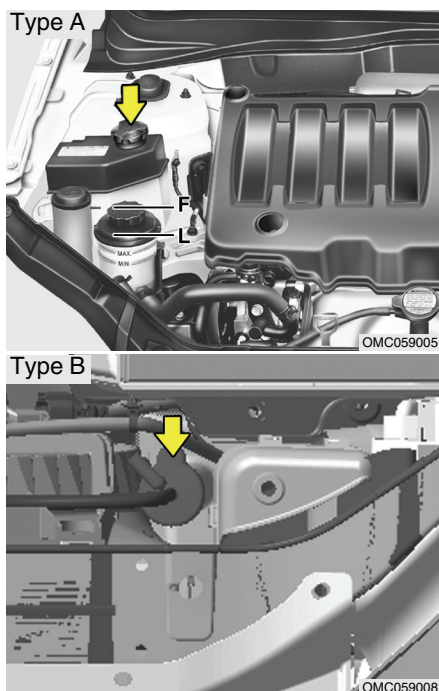
Recommended Coolant

The cooling system of your Hyundai vehicle is filled at the factory with a 50% mixture of year-round antifreeze. Observation of the following precautions will maximize the life of the engines cooling system and contribute towards trouble-free driving.

1. Use only high quality, aluminum compatible, ethylene glycol antifreeze that conforms to SAEJ1034/ASTMD3306 specifications. (High anhydrous sodium silicate content).
2. NEVER allow the concentration of antifreeze to exceed the 60% level or go below the 35% level or damage to the coolant system may result. For proper concentration when adding or replacing the coolant, refer to the following table.

Ambient temperature °C (°F)	Engine coolant concentration	
	Antifreeze solution	Water
-15 (5)	35%	65%
-25 (-13)	40%	60%
-35 (-31)	50%	50%
-45 (-49)	60%	40%

3. Purge all air from the system to allow the coolant to completely fill the radiator upper tank.



4. Maintain the coolant level between the "L" and "F" lines on the radiator overflow reservoir tank.
5. It is normal for the cooling system inhibitors to deteriorate with use. For this reason, it is important to change the coolant at the intervals recommended in this manual.

NOTE:
Do not use additional corrosive inhibitors or additives.



CAUTION:

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

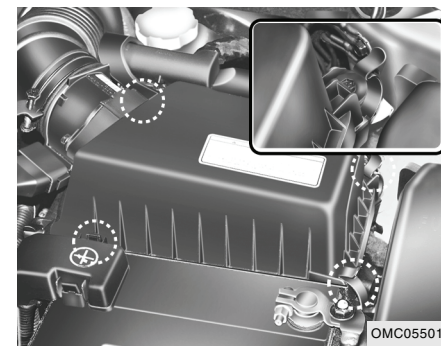


WARNING:

The cooling fan is controlled by engine coolant temperature and may sometimes operate even when the engine is not running. Use extreme caution when working near the blades of the 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.

CHANGING THE AIR CLEANER FILTER

G070A03Y-AAT



The replacement of air cleaner filter is performed in the following manner.

1. Unsnap the clips around the cover.
2. When this is done, the cover can be lifted off, the old filter removed and the new filter put in its place.

Genuine Hyundai replacement parts are recommended.

**CAUTION:**

- o Operating your vehicle without a proper air filter in place can result in excessive engine wear.
- o When removing the air cleaner filter, be careful that dust or dirt does not enter the air intake. These may result in damage to the air cleaner filter.

WINDSHIELD WIPER BLADES

G080A02A-AAT

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

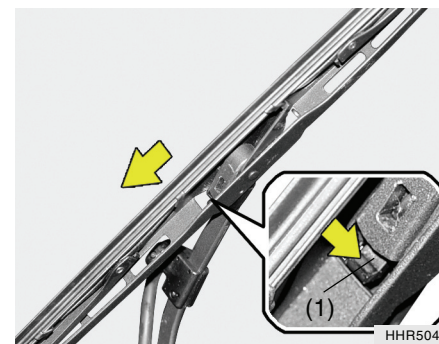
**CAUTION:**

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

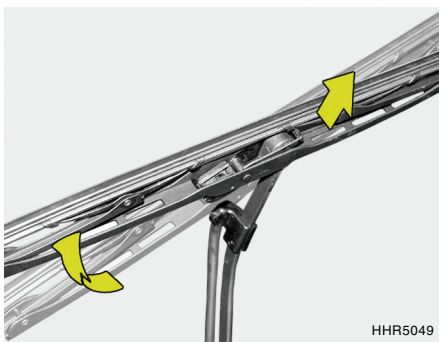
G080B01HR-GAT

Replacing the Wiper Blades

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

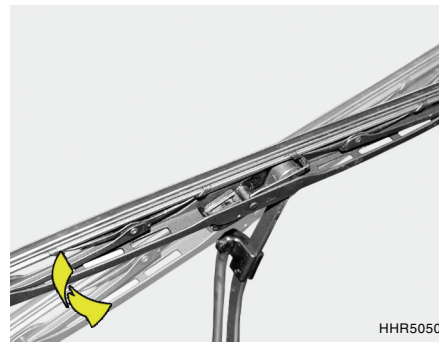
To remove the wiper blade

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

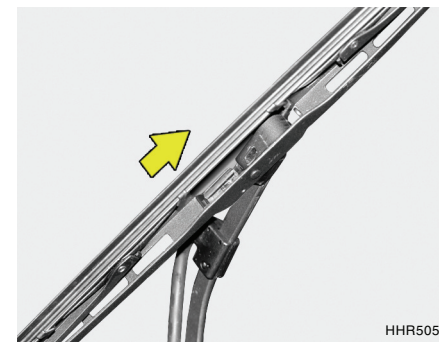


2. Raise the wiper blade lightly and pull up it.

To install the wiper blade



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



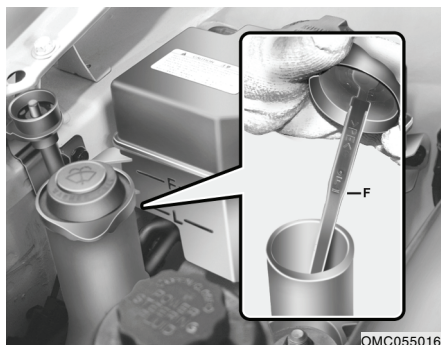
2. Pull up the wiper blade until you hear an audible "click" to engage in the end of the wiper arm.

NOTE:

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

FILLING THE WASHER RESERVOIR

G090A01MC-GAT



OMC055016

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

A good quality washer fluid should be used to fill the washer reservoir. The fluid level should be checked more frequently during inclement weather or whenever the washer system is in more frequent use.



CAUTION:

- o Radiator anti-freeze (engine coolant) should not be used in the washer system because it will damage the car's finish.
- o The washer should not be operated if the washer reservoir is empty. This can damage the washer fluid pump.



WARNING:

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

CHECKING THE TRANSAXLE OIL (MANUAL)

G100A01MC-GAT

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



WARNING:

It is always better to check the transaxle oil level when the engine is cool or cold. If the engine is hot, you should exercise great caution to avoid burning yourself on hot engine or exhaust parts.

NOTE:

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

CHECKING THE TRANSAXLE FLUID (AUTOMATIC)

G110A01MC-BAT

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

NOTE:

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



CAUTION:

Use of aftermarket ATF additives may cause damage to the automatic transaxle.

Only use HYUNDAI GENUINE ATF SP III, DIAMOND ATF SP III, SK ATF SP III or other brands meeting the SP III specification approved by Hyundai Auto Canada Corp. If you are having your vehicle serviced at a facility other than a Hyundai dealer, verify that the correct ATF is used for your vehicle.

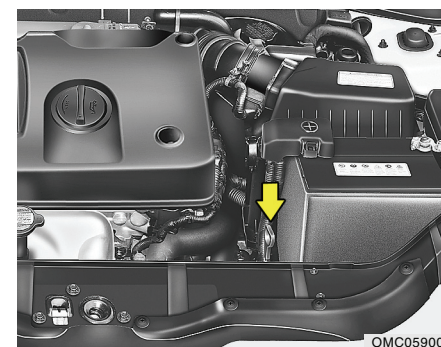


WARNING:

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

G110D03A-AAT

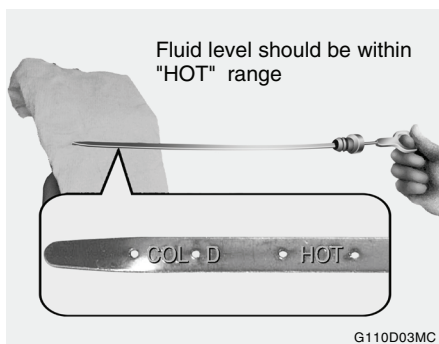
Checking the automatic transaxle fluid level



The automatic transaxle fluid level should be checked regularly.

Keep the vehicle on level ground with the parking brake applied and check the fluid level according to the following procedure.

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



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

**WARNING:**

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

CHECKING THE BRAKES

G120A01A-AAT

**CAUTION:**

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

G120B01A-AAT

Checking the Brake Fluid Level**WARNING:**

Use caution when handling brake fluid. It can damage your vision if it gets into your eyes. It will also damage your vehicle's paint if spilled on it and not removed immediately.

G120D01A-AAT

To Check the Fluid Level

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

G120E02A-AAT

Adding Brake Fluid**WARNING:**

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

To add brake fluid, first wipe away any dirt, then unscrew the fluid reservoir cap. Slowly pour the recommended fluid into the reservoir. Do not overfill. Carefully replace the cap on the reservoir and tighten.

G140A01A-AAT

Keeping the Condenser Clean

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

G140B01A-AAT

Checking the Air Conditioner Operation

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



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

G140C01A-AAT

Lubrication

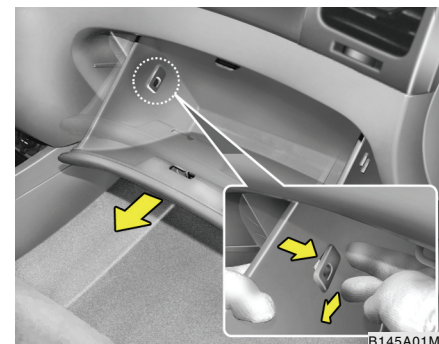
To lubricate the compressor and the seals in the system, the air conditioner should be run for at least 10 minutes each week. This is particularly important during cool weather when the air conditioning system is not otherwise in use.

CHANGING THE CLIMATE CONTROL AIR FILTER

B145A02MC-GAT

(For Evaporator and Blower Unit)

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



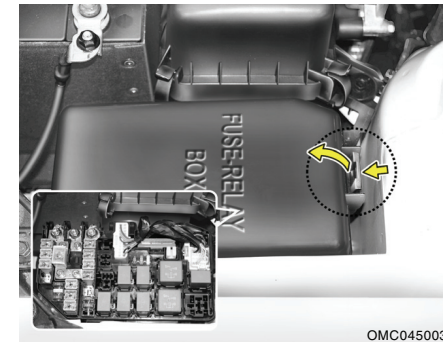
B145A01MC

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

CHECKING AND REPLACING FUSES

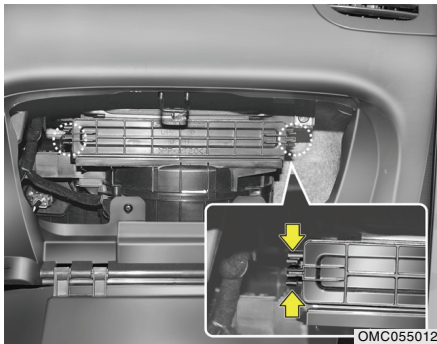
G200A01A-AAT

Replacing a Fusible Link



OMC045003

A fusible link will melt if the electrical circuits from the battery are ever overloaded, thus preventing damage to the entire wiring harness. (This could be caused by a short in the system drawing too much current.) If this ever happens, have a Hyundai dealer determine the cause, repair the system and replace the fusible link. The fusible links are located in a relay box for easy inspection.

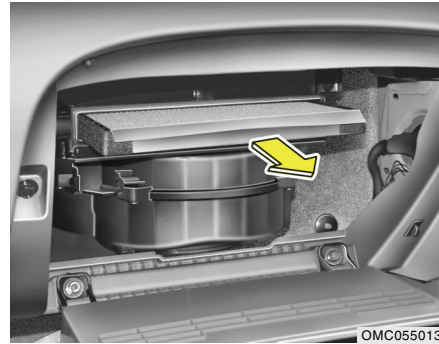


OMC055012

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



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



OMC055013

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

**CAUTION:**

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

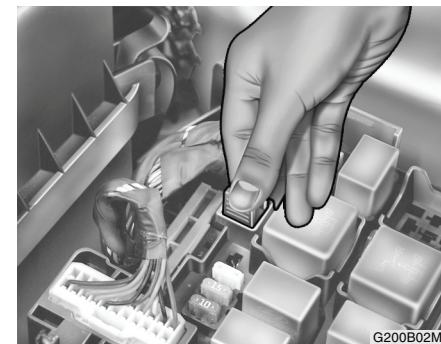
G200B02HP-GAT

Replacing Accessory Fuses

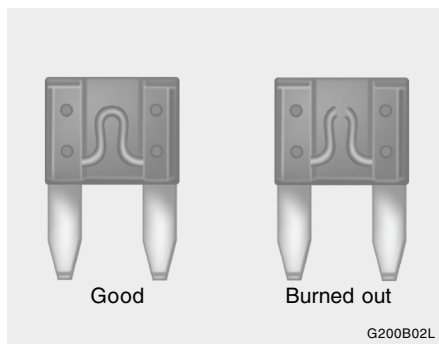
The fuse box for the lights and other electrical accessories will be found low on the dashboard on the driver's side. Inside the box you will find a list showing the circuits protected by each fuse.

If any of your car's lights or other electrical accessories stop working, a blown fuse could be the reason. If the fuse has opened, you will see that the metal strip inside the fuse has melted through. If you suspect a blown fuse, follow this procedure:

1. Turn off the ignition and all other switches.
2. Open the fuse box and examine each fuse. Remove each fuse by pulling it toward you (a small "fuse puller" tool is contained in the relay and fuse box of the engine room to simplify this operation).
3. Be sure to check all other fuses, even if you find one that appears to have opened.



4. Replace the blown fuse by pressing a new fuse of the same rating into place. The fuse should be a snug fit. If it is not, have the fuse clip repaired or replaced by a Hyundai dealer. If you do not have a spare fuse, you may be able to borrow a fuse of the same or lower rating from an accessory you can temporarily get along without (the radio or cigarette lighter, for example). Always remember to replace the borrowed fuse.

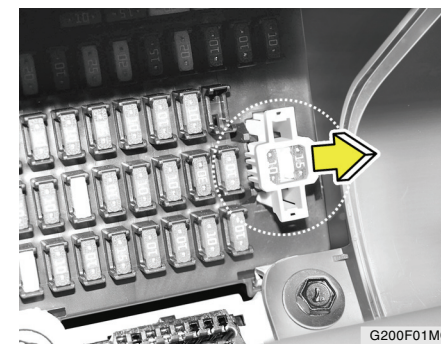
**CAUTION:**

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 6-30 for the fuse panel descriptions.

G200C01CM-GAT

Power Connector

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

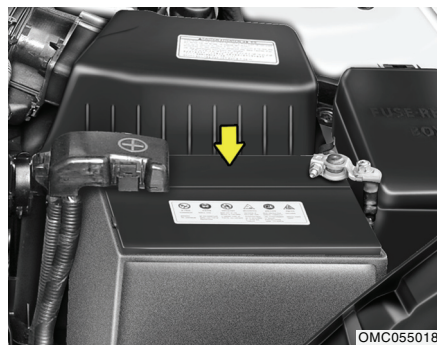
1. Turn off the engine.
2. Turn off the headlights and tail lights.
3. Open the driver's side panel cover and pull up the power connector.
4. Insert the power connector in the opposite direction.

CHECKING THE BATTERY

NOTE:

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

G210A01A-AAT

**WARNING:**

Batteries can be dangerous! When working with batteries, carefully observe the following precautions to avoid serious injuries.

The fluid in the battery contains a strong solution of sulfuric acid, which is poisonous and highly corrosive. Be careful not to spill it on yourself or the car. If you do spill battery fluid on yourself, immediately do the following:

- o If battery fluid is on your skin, flush the affected areas with water for at least 15 minutes and then seek medical assistance.
- o If battery fluid is in your eyes, rinse out your eyes with water and get medical assistance as soon as possible. While you are being driven to get medical assistance, continue to rinse your eyes by using a sponge or soft cloth saturated with water.
- o If you swallow battery fluid, drink a large quantity of water or milk followed by milk of magnesia, eat a raw egg or drink vegetable oil. Get medical assistance as soon as possible.

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

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

G210B01Y-GAT

Checking the Battery

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

**WARNING:**

Always read the following instructions carefully when handling a battery.

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

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

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

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

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



Wear eye protection when charging or working near a battery.

Always provide ventilation when working in an enclosed space.



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

- o 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.
- o Never attempt to charge the battery when the battery cables are connected.
- o The electrical ignition system works with high voltage. Never touch these components with the engine running or the ignition switched on.

CHECKING ELECTRIC COOLING FANS

G220A01A-AAT



WARNING:

The radiator 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 coolant temperature decreases the fan will automatically shut off. This is a normal condition.

G220B01A-AAT

Checking Engine Cooling Fan

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

G220C01A-AAT

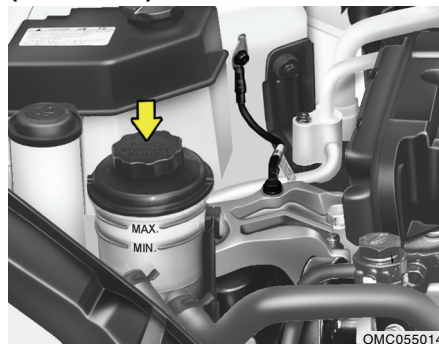
Checking Condenser Cooling Fan

The condenser cooling fan should come on automatically whenever the air conditioner is in operation.

POWER STEERING FLUID LEVEL

G230A01MC-GAT

(If Installed)



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

NOTE:

- Grinding noise from the power steering pump may be heard immediately after the engine is started in extremely cold conditions (below -20°C). If the noise stops during warm up, there is no abnormal function in the system. It is due to a power steering fluid characteristic in extremely cold conditions.
- Do not start the engine when the power steering oil reservoir is empty.

G240A01A-AAT

POWER STEERING HOSES

It is suggested that you check the power steering hose connections for fluid leakage at those intervals specified in the vehicle maintenance schedule in Section 5.

The power steering hoses should be replaced if there is severe surface cracking, pulling, scuffing or worn spots. Deterioration of the hose could cause premature failure.

**FOR MORE INFORMATION
ABOUT YOUR HYUNDAI**

G250A01A-AAT

If you desire additional information about maintaining and servicing your Hyundai, you may purchase a factory Shop Manual at your Hyundai dealer's parts department. This is the same manual used by dealership technicians and while it is highly technical it can be useful in obtaining a better understanding of your car and how it works.

**REPLACEMENT OF LIGHT
BULBS**

G260A01MC-AAT

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

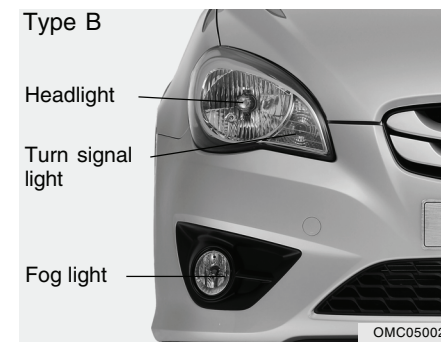
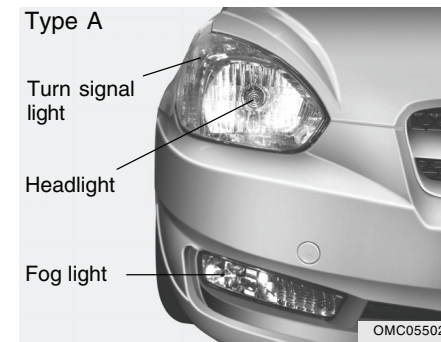
The next paragraph shows how to reach the light bulbs so they may be changed. Be sure to replace the burned-out bulb with one of the same number and wattage rating.

See page 6-29 for the wattage descriptions.

**CAUTION:**

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

G270A02MC-GAT

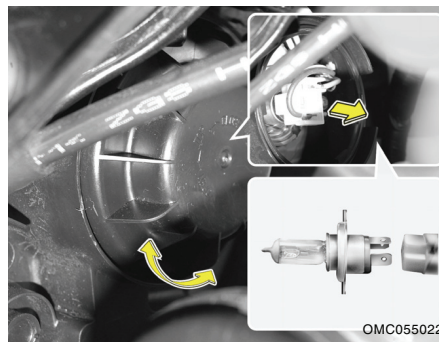
**Headlight, Front Turn Signal Light
and Front Fog Light**

**CAUTION:**

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

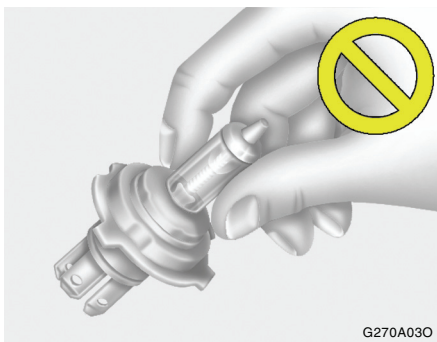
► Headlight

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



5. Remove the socket cover.
6. Push the bulb spring to remove the headlight bulb.

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



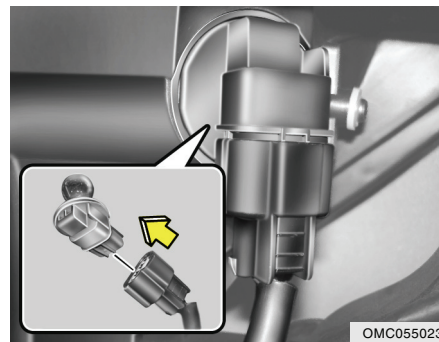
G270A030

! WARNING:

- o When removing/replacing halogen bulbs, always handle the metal body of the bulb, not the glass. Residual oil may cause the bulb to overheat and burst when lit.
- o The halogen bulb contains gas under pressure and if impacted could shatter, resulting in flying fragments. Always wear eye protection when servicing the bulb. Protect the bulb against abrasions or scratches and against liquids when lighted. Turn the bulb on only when installed in a headlight. Replace the headlight if damaged or cracked. Keep the bulb out of the reach of children and dispose of the used bulb with care.

► Front Turn Signal light

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



OMC055023

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

► Front Fog Light (If Installed)

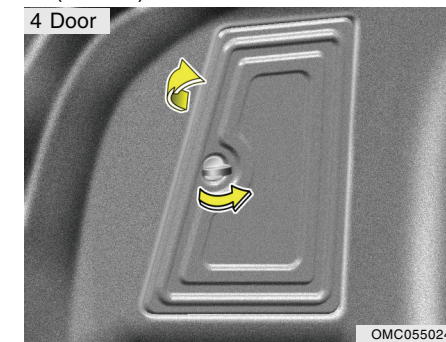
NOTE:

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

G270D01MC-AAT

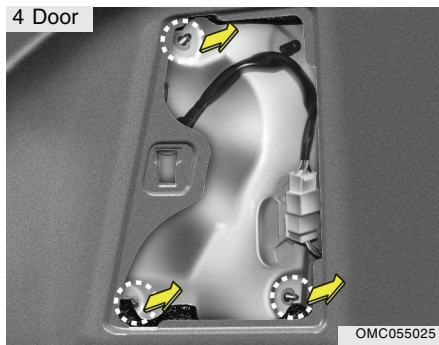
Rear Combination Light

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

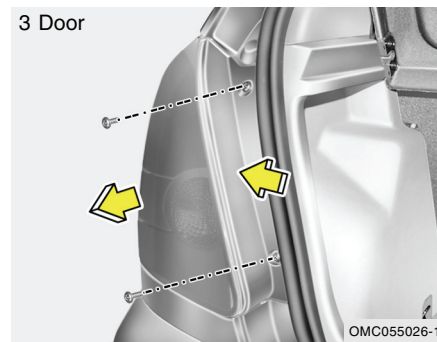
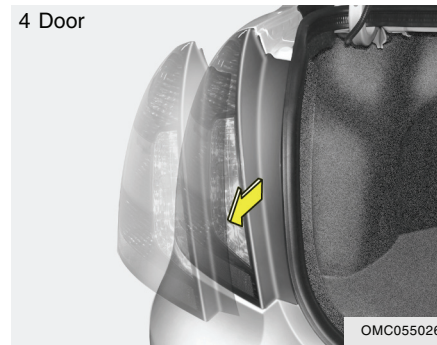


OMC055024

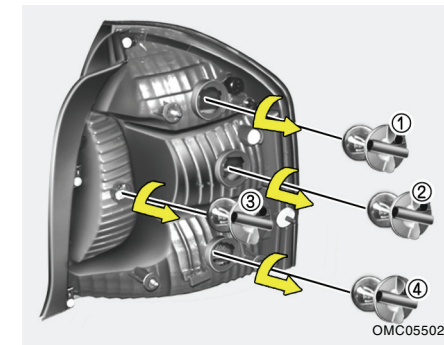
2. Remove the cover on the inside of luggage trim.



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



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

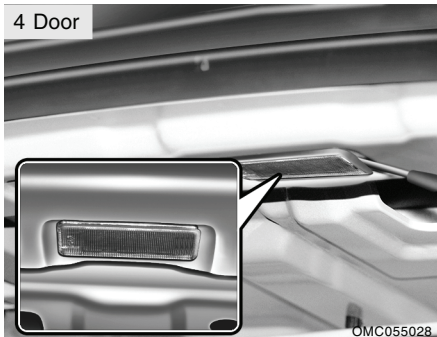


5. To replace the rear combination light, take it out from the bulb holder by turning it counterclockwise.

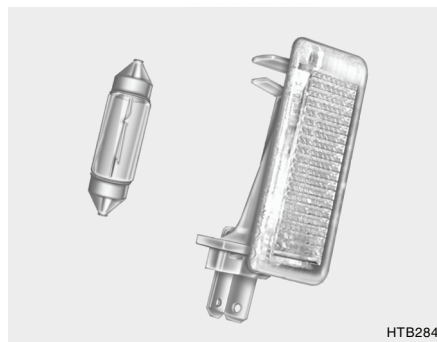
- (1) Tail Light
- (2) Turn Signal Light
- (3) Back-up Light
- (4) Stop/Tail Light

6. Install the new bulb.

G270C01MC-GAT

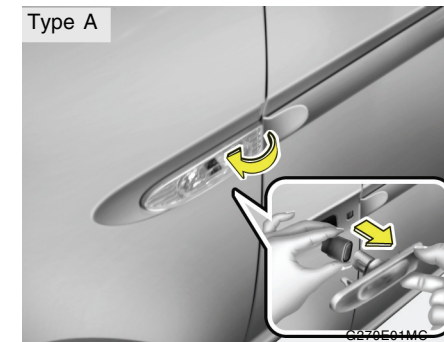
Luggage Compartment Light

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



3. Replace with a new bulb.

G270E01A-GAT

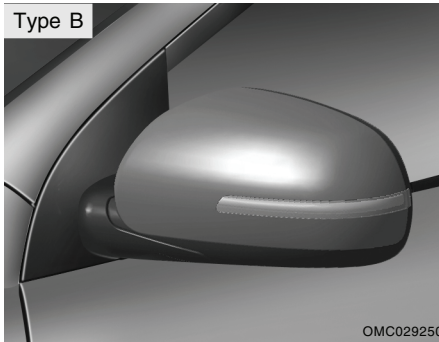
Side Repeater (If Installed)

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

G220200AEN

Side Repeater Light (If Installed)

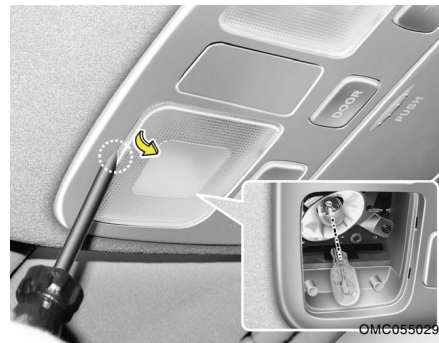
Type B



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

G270G01MC-GAT

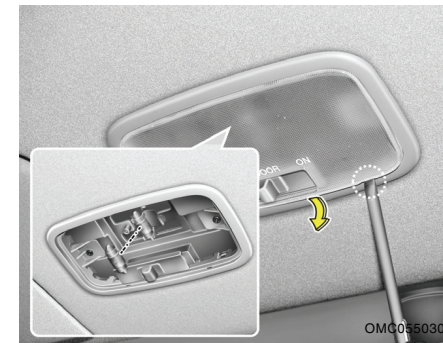
Map Light (If Installed)



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

G275H01MC-GAT

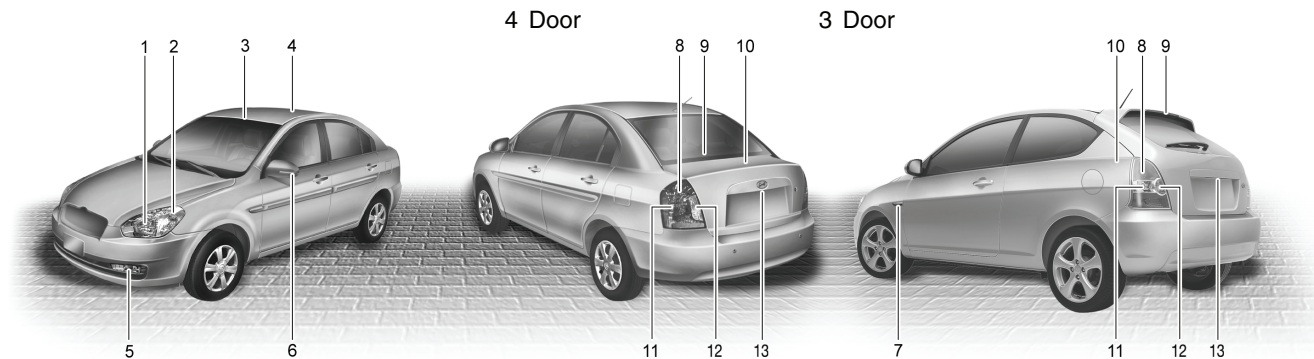
Interior Light



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

BULB WATTAGE

G280A02MC-AAT



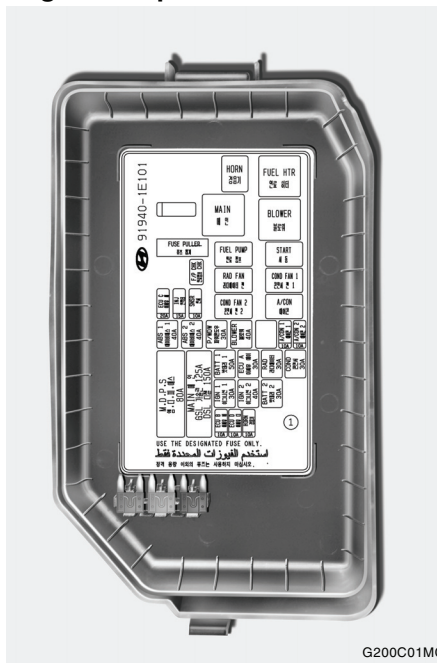
OMC059020L

No.	Part Name	Wattage	Bulb Type	No.	Part Name	Wattage	Bulb Type
1	Headlight (High/Low)	55/60	HB2 Long Life	7	Side Repeater Light (If Installed)	5	WY5W
2	Front Turn Signal Light/ Position Light	28/8	2357	8	Stop/Tail Light	28/8	2357
	Side Marker Light			9	High Mounted Rear Stop Light	16	W16W
3	Map Light (If Installed)	10	10W (FESTOON)	10	Luggage Compartment Light	5	C5W
4	Interior Light	10	10W (FESTOON)	11	Rear Turn Signal Light	27	1156
5	Front Fog Light (If Installed)	27	GE881		Side Marker Light	5	168 (W5W)
6	Side Repeater Light (If Installed)	0.4	LED Type	12	Back-up Light	16	921 (W16W)
				13	License Plate Light	5	C5W

FUSE PANEL DESCRIPTION

G200C01MC-AAT

Engine Compartment



G200C01MC

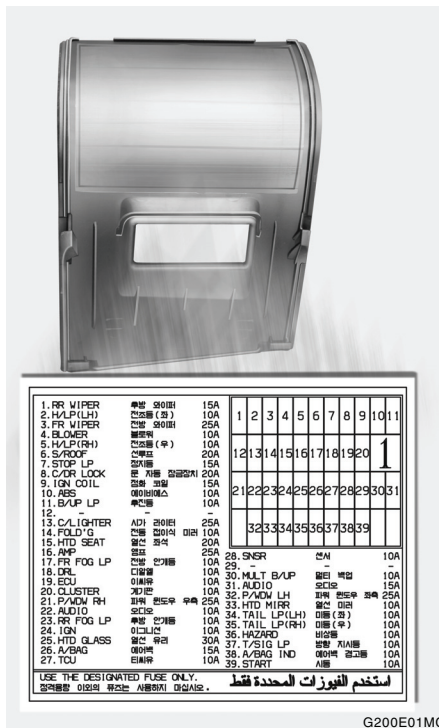
FUSE	FUSE RATING	CIRCUIT PROTECTED
MAIN	125A	Generator
BATT #1	50A	I/P Junction Box
BLOWER	40A	Blower Relay, Blower Motor
ABS #1	40A	ABS Control Module, Multipurpose Check Connector
ABS #2	40A	ABS Control Module, Multipurpose Check Connector
IGN #2	40A	Start Relay, Ignition Switch
IGN #1	30A	Ignition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

NOTE:

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

G200E01MC-AAT

Inner Panel



G200E01MC

FUSE	FUSE RATING	CIRCUIT PROTECTED
FR FOG LP	10A	Front Fog Lamp Switch, Front Fog Lamp LH, Front Fog Lamp RH, Front Fog Lamp Relay
S/ROOF	20A	Sunroof Motor
T/SIG LP	10A	Hazard Switch
TCU	10A	Overdrive Switch, Vehicle Speed Sensor
STOP LP	15A	Data Link Connector, Stop Lamp Switch, P/WDW Relay, Multipurpose Check Connector
A/BAG IND	10A	Instrument Cluster
ECU	10A	ECM, PCM
C/DR LOCK	20A	Driver Door Lock Actuator, Assist Door Lock Actuator, BCM, Rear Door Lock Actuator LH, Rear Door Lock Actuator RH, Driver Power Window Switch, Tail Gate Lock Actuator
START	10A	Start Relay, Burglar Alarm Relay
CLUSTER	10A	BCM, Instrument Cluster, Generator, DRL Control Module, Tire Pressure Monitoring Module, Pre-excitation Resistor
IGN COIL	15A	Ignition Coil #1, #2, #3, #4, Condenser
AUDIO (Power Connector)	15A	Audio
MULT B/UP (Power Connector)	10A	Luggage Lamp, Room Lamp, Vanity Lamp Switch, Digital Clock, Overhead Console Lamp, A/C Control Module, Instrument Cluster, Door Warning Switch, BCM, Tire Pressure Monitoring Module
ABS	10A	ABS Control Module, Multipurpose Check Connector
B/UP LP	10A	Back-up Lamp Switch, Transaxle Range Switch, Multipurpose Check Connector
DRL	10A	DRL Control Module