

Venue / Venue N Line

OWNER'S MANUAL

Operation
Maintenance
Specifications

All information in this Owner's Manual is current at the time of publication. However, HYUNDAI reserves the right to make changes at any time without prior notice and without obligation to incorporate such changes so that our policy of continual product improvement may be carried out.

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

This booklet is not intended to be a substitute for the Owner's Manual given in QR Code provided at the backside of the cover page.

CAUTION: MODIFICATIONS TO YOUR HYUNDAI

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

TWO-WAY RADIO OR CELLULAR TELEPHONE INSTALLATION

Your vehicle is equipped with electronic fuel injection and other electronic components. It is possible for an improperly installed/adjusted two-way radio or cellular telephone to adversely affect electronic systems. For this reason, we recommend that you carefully follow the radio manufacturer's instructions or consult your HYUNDAI dealer for precautionary measures or special instructions if you choose to install one of these devices.

SAFETY AND VEHICLE DAMAGE WARNING

This manual includes information titled as DANGER, WARNING, CAUTION and NOTICE.

These titles indicate the following:



DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates a situation which, if not avoided, could result in vehicle damage.

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FOREWORD

Thank you for choosing HYUNDAI. We are pleased to welcome you to the growing number of discriminating people who drive HYUNDAI. The advanced engineering and high-quality construction of each HYUNDAI we build is something of which we're very proud.

Your Owner's Manual will introduce you to the features and operation of your new HYUNDAI. It is suggested that you read it carefully because the information it contains can contribute greatly to the satisfaction you receive from your new car.

The manufacturer also recommends that service and maintenance on your vehicle be performed by an authorized HYUNDAI dealer.

HYUNDAI MOTOR COMPANY

Note : Because future owners will also need the information included in this manual, if you sell this HYUNDAI, please leave the manual in the vehicle for their use. Thank you.



CAUTION

Severe engine and transaxle damage may result from the use of poor quality fuels and lubricants that do not meet HYUNDAI specifications. You must always use high quality fuels and lubricants that meet the specifications listed in the Vehicle Specifications section of the Owner's Manual.

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FUEL REQUIREMENTS

Gasoline engine

Unleaded

Your new vehicle is designed to perform optimally using unleaded fuel having an Octane Rating of RON (Research Octane Number) 91 / AKI (Anti-Knock Index) 87 or higher. (Do not use methanol blended fuels)

Your new vehicle is designed to obtain maximum performance with UNLEADED FUEL, as well as minimize exhaust emissions and spark plug fouling.

NOTICE

NEVER USE LEADED FUEL. The use of leaded fuel is detrimental to the catalytic converter and will damage the engine control system's oxygen sensor and affect emission control.

Also, severe wear and crack of piston ring, valve, etc. may occur and knocking noise may be heard from your engine.

Never add any fuel system cleaning agents to the fuel tank other than what has been specified (We recommend that you consult an authorized HYUNDAI dealers for details.)



WARNING

- Do not “top off” after the nozzle automatically shuts off when refueling.
- Always check that the fuel cap is installed securely to prevent fuel spillage in the event of an accident.

Leaded (if equipped)

For some countries, your vehicle is designed to use leaded gasoline.

When you are going to use leaded gasoline, we recommend that you ask an authorized HYUNDAI dealer whether leaded gasoline in your vehicle is available or not.

Octane Rating of leaded gasoline is same with unleaded one.

Gasoline containing alcohol and methanol

Gasohol, a mixture of gasoline and ethanol (also known as grain alcohol), and gasoline or gasohol containing methanol (also known as wood alcohol) are being marketed along with or instead of leaded or unleaded gasoline.

Do not use gasohol containing more than 20% ethanol, and do not use gasoline or gasohol containing any methanol. Either of these fuels may cause drivability problems and damage to the fuel system, engine control system and emission control system.

Discontinue using gasohol of any kind if drivability problems occur.

Vehicle damage or driveability problems may not be covered by the manufacturer's warranty if they result from the use of:

1. Gasohol containing more than 20% ethanol.
2. Gasoline or gasohol containing methanol.
3. Leaded fuel or leaded gasohol.

NOTICE

NEVER USE LEADED FUEL. The use of leaded fuel is detrimental to the catalytic converter and will damage the engine control system's oxygen sensor and affect emission control. Also, severe wear and crack of piston ring, valve, etc. may occur and knocking noise may be heard from your engine. Never add any fuel system cleaning agents to the fuel tank other than what has been specified (We recommend that you consult an authorized HYUNDAI dealers for details.)

Using Fuel Additives

Using fuels such as;

- Silicone (Si) contained fuel,
- MMT (Manganese, Mn) contained fuel,
- Ferrocene (Fe) contained fuel, and
- Other metallic additives contained fuels,

May result in cylinder misfire, poor acceleration, engine stalling, engine plugging, heavy knocking noise, damage to the catalyst, or abnormal corrosion, and may cause damage to the engine resulting in a reduction in the overall life of the powertrain. The Malfunction Indicator Lamp (MIL) may illuminate.

NOTICE

Damage to the fuel system or performance problem caused by the use of these fuels may not be covered by your New Vehicle Limited Warranty.

Use of MTBE

HYUNDAI recommends avoiding fuels containing MTBE (Methyl Tertiary Butyl Ether) over 15.0% vol. (Oxygen Content 2.7% weight) in your vehicle. Fuel containing MTBE over 15.0% vol. (Oxygen Content 2.7% weight) may reduce vehicle performance and produce vapor lock or hard starting.

CAUTION

Your New Vehicle Limited Warranty may not cover damage to the fuel system and any performance problems that are caused by the use of fuels containing methanol or fuels containing MTBE (Methyl Tertiary Butyl Ether) over 15.0% vol. (Oxygen Content 2.7% weight.)

Do not use methanol

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

Fuel Additives

HYUNDAI recommends that you use unleaded gasoline which has an Octane Rating of RON (Research Octane Number) 91 / AKI (Anti-Knock Index) 87 or higher.

For customers who do not use good quality gasolines including fuel additives regularly, and have problems starting or the engine does not run smoothly, one bottle of additives added to the fuel tank at every 10,000 km.

Additives are available from your authorized HYUNDAI dealer along with information on how to use them. Do not mix other additives.

Operation in foreign countries

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

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

Diesel engine

Diesel fuel

Diesel engine must be operated only on commercially available diesel fuel that complies with EN 590 or comparable standard. (EN stands for "European Norm"). Do not use marine diesel fuel, heating oils, or non-approved fuel additives, as this will increase wear and cause damage to the engine and fuel system. The use of non-approved fuels and / or fuel additives will result in a limitation of your warranty rights.

Diesel fuel of above cetane 51 is used in your vehicle. If two types of diesel fuel are available, use summer or winter fuel properly according to the following temperature conditions.

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

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

NOTICE

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.

NOTICE

- Diesel Fuel (if equipped with DPF)

It is recommended to use the regulated automotive diesel fuel for diesel vehicle equipped with the DPF system.

If you use diesel fuel including high sulfur (more than 10 ppm sulfur) and unspecified additives, it can cause the DPF system to be damaged and white smoke can be emitted.

Biodiesel

Commercially supplied Diesel blends of no more than 7% biodiesel, commonly known as “B7 Diesel” may be used in your vehicle if Biodiesel meets EN 14214 or equivalent specifications. (EN stands for “European Norm”). The use of biofuels exceeding 7% made from rapeseed methyl ester (RME), fatty acid methyl ester (FAME), vegetable oil methyl ester (VME) etc. or mixing diesel exceeding 7% with biodiesel will cause increased wear or damage to the engine and fuel system. Repair or replacement of worn or damaged components due to the use of non approved fuels will not be covered by the manufactures warranty.

NOTICE

- **Never use any fuel, whether diesel, B7 biodiesel or otherwise, that fails to meet the latest petroleum industry specification.**
- **Never use any fuel additives or treatments that are not recommended or approved by the vehicle manufacturer.**

VEHICLE BREAK-IN PROCESS

No special break-in period is needed. By following a few simple precautions for the first 1,000 km (600 miles) you may add to the performance, economy and life of your vehicle:

- Do not race the engine.
- While driving, avoid sudden acceleration.
- Do not maintain a single speed for long periods of time, either fast or slow.

Varying engine speed is needed to properly break-in the engine.

- Avoid hard stops, except in emergencies, to allow the brakes to seat properly.
- Don't tow a trailer during the first 2,000 km (1,200 miles) of operation.
- Fuel economy and engine performance may vary depending on vehicle break-in process and be stabilized after 6,000 km(4,000 miles). New engines may consume more oil during the vehicle break-in period.

1. Hyundai Warranty Policy

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HYUNDAI NEW VEHICLE WARRANTY

Hyundai Motor India Limited hereinafter called "HMIL", warrants that each new Hyundai vehicle sold shall be free from any defects in material and workmanship, under normal use and maintenance, subject to the following terms and conditions.

1. Warranty Period

This warranty for Hyundai vehicle shall exist for a period of 36 months from the date of delivery to the first purchaser irrespective of the mileage. However the warranty for Hyundai vehicle being used for commercial purpose such as Taxi/Tourist operation is 36 months/100,000 Kms from the date of delivery to the first purchaser which soever is earlier. This warranty is transferable to subsequent owner for the remaining warranty period. This warranty is applicable only in India and not transferable to any other country.

2. What is covered

Except as provided in paragraph 3 hereof, our Authorized Dealers shall either repair or replace, any Hyundai genuine part that is acknowledged by HMIL to be defective in material or workmanship within the warranty period stipulated above, at no cost to the owner of the Hyundai vehicle for parts or labour. Such defective parts which have been replaced will become the property of HMIL

3. What is not covered

This warranty shall not apply to:

- ▶ Normal maintenance services other than the three labour free services, including without limitation, cleaning and polishing, minor adjustments, engine tuning, oil/fluid changes, filters replenishment, fastener retightening, wheel balancing, wheel alignment and tyre rotation etc.
- ▶ Replacement of parts as a result of normal wear and tear such as spark plugs, belts, brake pads and linings, clutch disc/facing, filters, wiper blades, bulbs, fuses, etc.

Damage or failure resulting from :

- ▶ Negligence of proper maintenance as required in this Owner's Manual and Service Booklet.
- ▶ Misuse, abuse, accident, theft, flooding or fire.
- ▶ Use of improper or insufficient fuel, fluids or lubricants.
- ▶ Use of parts other than Hyundai Genuine Parts.
- ▶ Any device and/or accessories not supplied by HMIL.
- ▶ Modifications, alterations, tampering or improper repair.
- ▶ Parts used in applications of which they were not designed or not approved by HMIL.
- ▶ Slight irregularities not recognised as affecting quality or function of the vehicle or parts, such as slight noise or vibrations, or items considered characteristic of the vehicle.
- ▶ Airborne "fallout", Industrial fallout, acid rain, hail and windstorms, or other Acts of God.

- ▶ Paint scratches, dents or similar-paint or body damage.
- ▶ Action of road elements (sand,- gravel, dust or road debris) which results in stone chipping of paint or glass.
- ▶ Incidental or consequential damages, including without limitation, loss of time, inconvenience, loss of use of vehicle or commercial loss.

Batteries, Tyres & Tubes, originally equipped on Hyundai vehicles are warranted directly by the respective manufacturers and not by HMIL.

- ▶ This warranty is the entire warranty given by HMIL for Hyundai vehicles and no dealer or its or his agent or employee is authorized to extend or enlarge this warranty and no dealer or its or his agent or employee is authorized to make any oral warranty on HMIL's behalf.
- ▶ HMIL reserves the right to make any change in design or make any improvement on the vehicle at any time without any obligation to make the same change on vehicles previously sold.
- ▶ HMIL reserves the right for the final decision in all warranty matters.

Owner's Responsibilities

- ▶ Proper use, maintenance and care of vehicle in accordance with the instructions contained in this Owner's Manual and Service Booklet. If the vehicle is subject to severe usage conditions, su-

such as operation in extremely dusty, rough, more repeated short distance driving or heavy city traffic during hot weather, maintenance of vehicle should be done more frequently as mentioned in this Owner's Manual and Service Booklet

- ▶ Retention of maintenance service records. It may be necessary for the customer to show that the required maintenance has been performed, as specified in this Owner's Manual and Service Booklet.
- ▶ Delivery of the vehicle during regular service business hours to any authorized Hyundai Dealer to obtain warranty service.
- ▶ In order to maintain the validity of this Basic Warranty, the vehicle must be serviced by Hyundai Authorized workshop in accordance to the Owner's Manual and Service Booklet.

PARTS REPLACEMENT WARRANTY

Hyundai Motor India Limited hereinafter called "HMIL", warrants that each new Hyundai Genuine replacement part purchased from and installed by Hyundai Authorized Dealer shall be free from any defects in material or workmanship, under normal use and maintenance, subject to the following terms and conditions

1. Warranty period

This warranty shall exist for a period of 6 months or until the vehicle has

been driven for a distance of 10,000 Kilometers from the date of installation of replacement part by Hyundai Authorized Dealer, whichever occurs first.

2. What is covered

Our Authorized Dealers shall either repair or replace, any Hyundai genuine part listed in paragraph 3 hereof, that is acknowledged by HMIL to be defective in material or workmanship within the warranty period stipulated above, after examinations carried out to confirm that none of the original settings have been tampered with, at no cost to the owner of the Hyundai vehicle for parts or labour. Such defective parts which have been replaced will become the property of HMIL.

3. What is not covered

This warranty shall not apply to:

- ▶ Normal maintenance services of parts such as cleaning, adjustment or replacement (i.e. spark plugs that are oil fouled, lead fouled, or which fail due to the use of low grade fuel).
 - ▶ Parts that fail due to abuse, misuse, neglect, alteration or accident or which have been improperly lubricated or repaired
 - ▶ Parts used in applications for which they were not designed or approved by HMIL.
 - ▶ Failure due to normal wear of parts.
 - ▶ Direct or indirect failures caused by misuse and improper maintenance of vehicle.
- ▶ Any vehicle on which the odometer reading has been altered so that mileage cannot be accurately determined.
 - ▶ Incidental or consequential damages, including without limitation, loss of time, inconvenience, loss of use of vehicle or commercial loss.

This warranty is the entire warranty given by HMIL for Hyundai replacement parts and no dealer or its or his agent or employee is authorized to extend or enlarge this warranty and no dealer or its or his agent or employee is authorized to make any oral warranty on HMIL's behalf. HMIL reserves the right for the final decision in all warranty matters.

Owner's Responsibility :

- ▶ Proper use, maintenance and re of the vehicle in accordance with the instructions contained in the Owner's Manual and Service Booklet.
- ▶ Retention of maintenance service records. It may be necessary for the customer to show that the required maintenance has been performed, as specified in this Owner's Manual and Service Booklet.
- ▶ **Retention of the customer's copy of the original repair order and its invoice/bill against which the part was replaced.**
- ▶ Delivery of the vehicle during regular service business hours to the same Hyundai Authorized Dealer who had sold and installed the replacement part
- ▶ In order to maintain the validity of this Parts replacement Warranty, the vehicle must be serviced by Hyundai Authorized workshop in accordance to the Owner's Manual and Service Booklet.

Labour Free Service of Vehicle

Your vehicle is entitled for first three labour free services of Periodic Maintenance Schedule (PMS). Please refer page 2-7 for labour free service coupons and page 2-8 for PMS services.

NOTICE :

All Consumables, Wheel Alignment and / or Part Replacement (if not covered in warranty), if required are chargeable to the customer(s).

HYUNDAI EXTENDED WARRANTY*

HMIL offers optional paid extended warranty on selected models, in addition to the basic new vehicle warranty. For more details on Hyundai Extended Warranty please call the nearest dealer or our toll free number 1-800-11-4645.

** Conditions apply*

We are pleased to introduce you to our 24 X 7 Hyundai Road Side Assistance Programme

Our Road Side Assistance number is : 1800 102 4645 (toll free),
(0124)2564645 (call charges apply)

Hyundai Roadside assistance is a 24 X 7 emergency support provided in the event of any mechanical/electrical breakdown and/or road traffic accident of a vehicle.

Covered Events & Benefits *

Break Down/Accident	Roadside repair or vehicle recovery in case of breakdown/road traffic accident
Tire Related	Tire Puncture – Replacement of Punctured tire with the spare tire
Battery Related	Dead Battery – Jump Start
Key Related	Locked keys, lost keys or broken vehicle keys

* Terms and Conditions apply. Terms and Conditions

- 1) The Service is applicable for 3 years from the date of sale
- 2) The 24 X 7 Road Side Assistance is available up to a nearest Hyundai Authorised dealer workshop
- 3) The Service is applicable for a condition in which the vehicle has been immobile

- 4) Cost of parts replacement is not included, unless covered under Hyundai Warranty
- 5) Cost of repairs made to your vehicle is not included, unless it is covered under Hyundai Warranty.
- 6) For Online retail RSA & Complete TnC's, kindly visit: <https://hyundai.aupassistance.in/>

**1st Labour Free Service
Coupon**

(1,200-1,500 km or within 2 months of
delivery, whichever is earlier)

Customer Copy

Model Name _____
Customer's Name _____
VIN _____
Registration No. _____
Mileage _____
Delivery Date _____
Service Date _____
RO Number _____
Dealer/HASC code _____

Servicing Dealer's Stamp

Service Mgr's Signature _____

**2nd Labour Free Service
Coupon**

(9,000-10,000 km or within 12 months of
delivery whichever is earlier)

Customer Copy

Model Name _____
Customer's Name _____
VIN _____
Registration No. _____
Mileage _____
Delivery Date _____
Service Date _____
RO Number _____
Dealer/HASC code _____

Servicing Dealer's Stamp

Service Mgr's Signature _____

**3rd Labour Free Service
Coupon**

(19,000-20,000 km or within 24 months of
delivery whichever is earlier)

Customer Copy

Model Name _____
Customer's Name _____
VIN _____
Registration No. _____
Mileage _____
Delivery Date _____
Service Date _____
RO Number _____
Dealer/HASC code _____

Servicing Dealer's Stamp

Service Mgr's Signature _____

CHECK LIST FOR FREE SERVICE 1,500 KM - 20,000 KM

A - ADD I - INSPECT C - CLEAN R - REPLACE L - LUBRICATE I (IR) - INSPECT IF REQUIRED TR - TYRE ROTATION
(AFTER INSPECTION, ADD, REPAIR OR REPLACE IF NECESSARY)

No.	Item Description	1st Service		2nd Service		3rd Service	
		Reqd.	Done	Reqd.	Done	Reqd.	Done
A ENGINE BAY							
1	Engine oil & filter*	I	I	R	-	R	-
2	Engine Timing Chain / belt	-	-	-	-	-	-
3	Air cleaner filter (Petrol only)*	-	-	C	-	C	-
4	Air cleaner filter (T-Gdi only)*	-	-	-	-	-	-
5	Air cleaner Filter (Diesel only)*	-	-	C	-	R	-
6	Battery condition & specific gravity	I	I	I	-	I	-
7	Throttle body (Petrol only)	-	-	C	-	C	-
8	Spark plugs (Petrol only)	-	-	C	-	C	-
9	Valve clearance	I (IR)	I (IR)	I (IR)	-	I (IR)	-
10	Hoses (Vaccum/ EGR/ VGT/ WGT)	-	-	I	-	I	-
11	Crankcase ventilation hose	I	I	I	-	I	-
12	Tensioner/idler/damper pulley	I (IR)	I (IR)	I (IR)	-	I (IR)	-
13	Power steering fluid and leakages**	-	-	-	-	-	-
14	Brake/Clutch fluid	I	I	I	-	I	-
15	Engine coolant	I	I	I	-	I	-
16	Manual transaxle fluid	-	-	-	-	-	-
17	Automatic/CVT/IVT/DCT/IVT transaxle fluid**	-	-	-	-	-	-
B VEHICLE ON FLOOR							
18	Wiper (wiper blade, washer fluid)	I	I	I	-	I	-
19	Brake/Clutch (free play & leakages)	I	I	I	-	I	-
20	Fuel filler cap	-	-	I	-	I	-
21	Climate control air filter*	-	-	C	-	R	-
22	Check AC system (refrigerant/compressor)	I	I	I	-	I	-
23	Cooling system & leakage	I	I	I	-	I	-
C VEHICLE ON LIFT							
24	4WD Shaft differential Transfer case oil**	-	-	-	-	-	-
25	Steering gear rack, linkage and boots	I	I	I	-	I	-
26	Exhaust system	I	I	I	-	I	-
27	Fuel filter (Petrol only)	-	-	-	-	-	-
28	Fuel filter cartridge (Diesel only)*	-	-	-	-	-	-
29	Charcoal Canister (Petrol only)	-	-	-	-	-	R
30	Fuel tank air filter (if equipped) (Petrol only)**	-	-	-	-	-	-
31	Front & rear suspension (linkages & ball joints)	I	I	I	-	I	-
32	Fuel lines, hoses and connections	I	I	I	-	I	-
33	Driveshafts & boots	I	I	I	-	I	-
34	Fluid leakages	I	I	I	-	I	-
35	Front and rear wheel bearing & bushes	I (IR)	I (IR)	I (IR)	-	I (IR)	-
36	Front and rear disc/drum brakes & pads	I	I	I	-	I	-
37	Parking brake (disc, shoe & operation)	I	I	I	-	I	-
38	Wheel alignment & balancing*	-	-	I (IR)	-	I (IR)	-
39	Tyre pressure, condition & rotation*	-	-	I, TR	-	I, TR	-
D FINAL CHECKS							
40	Bolt and nuts on chassis and body	I	I	I	-	I	-
41	Lubricate locks & hinges	I	I	L	-	L	-
42	All electrical systems (drive belts, alternator)	I	I	I	-	I	-
43	Warning lights operation & GDS system check	I	I	I	-	I	-
44	Ext & Int. lights, horn & gauges	I	I	I	-	I	-
45	Sumoof operation (if equipped)	C	C	C	-	C	-
46	All seat belt operation	I	I	I	-	I	-
47	Road test	I (IR)	I (IR)	I (IR)	-	I (IR)	-

* All consumables are chargeable to the customer(s)

**If Applicable

- 1st Service - 1,500 km/2 months
- 2nd Service - 10,000 km/12 months
- 3rd Service - 20,000 km/24 months

2. Your Vehicle at a Glance

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EXTERIOR OVERVIEW (I)

■ Front view



OQXI012007

1. Hood.....	3-28
2. Headlight/Daytime running light*.....	8-73
3. Turn signal light.....	8-75
4. Tires and wheels.....	8-48, 9-4
5. Outside rearview mirror.....	3-41
6. Front windshield wiper blades.....	3-88
7. Windows.....	3-23

* : if equipped

■ Front view (N Line)



The actual shape may differ from the illustration.

OQXIN012007

1. Hood.....	3-28
2. Headlight/Daytime running light*.....	8-73
3. Turn signal light.....	8-75
4. Tires and wheels.....	8-48, 9-4
5. Outside rearview mirror.....	3-41
6. Front windshield wiper blades.....	3-88
7. Windows.....	3-23

* : if equipped

EXTERIOR OVERVIEW (II)

■ Rear view



OQXI012002L

1. Antenna	4-2
2. Doors	3-15
3. Fuel filler door	3-35
4. Rear ultrasonic sensors	7-8
5. High mounted stop light	8-78
6. Wide-rear view camera	7-6
7. Rear window wiper blade*	8-43
8. Tailgate	3-21
9. Rear lamps	8-77

* : if equipped

■ Rear view (N Line)



The actual shape may differ from the illustration.

OQXIN012002L

1. Antenna	4-2
2. Doors	3-15
3. Fuel filler door	3-35
4. Rear ultrasonic sensors	7-8
5. High mounted stop light	8-78
6. Wide-rear view camera	7-6
7. Rear window wiper blade*	8-43
8. Tailgate	3-21
9. Rear lamps	8-77

* : if equipped

INTERIOR OVERVIEW

■ Type A



The actual shape may differ from the illustration.

OQXI012003

1. Door lock/unlock button.....	3-16
2. Outside rearview mirror folding switch*.....	3-42
3. Outside rearview mirror control switch*	3-41
4. Central door lock switch.....	3-17
5. Power window switches	3-23
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7. Idle stop and go.....	5-48
8. Electronic Stability Control (ESC)*	5-42
9. Headlight leveling device	3-83
10. Fuel filler door opener	3-35
11. Fuse box.....	8-60

12. Steering wheel.....	3-38
13. Clutch pedal*	
14. Brake pedal	
15. Accelerator pedal	
16. Hood release lever	3-28
17. Engine Start/Stop button	5-10
Key ignition switch.....	5-5

* : if equipped



The actual shape may differ from the illustration.

OQXI012005

1. Door lock/unlock button.....	3-16
2. Outside rearview mirror folding switch*.....	3-42
3. Outside rearview mirror control switch*	3-41
4. Central door lock switch.....	3-17
5. Power window switches	3-23
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7. Idle stop and go.....	5-48
8. Electronic Stability Control (ESC)*	5-42
9. Headlight leveling device	3-83
10. Fuel filler door opener	3-35
11. Fuse box.....	8-60

12. Steering wheel.....	3-38
13. Clutch pedal*	
14. Brake pedal	
15. Accelerator pedal	
16. Hood release lever	3-28
17. Engine Start/Stop button	5-10
Key ignition switch.....	5-5

* : if equipped

INSTRUMENT PANEL OVERVIEW

■ Type A



OQXI012004

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14. Passenger's front air bag	2-48
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* : if equipped

■ Type B



OQXI012006

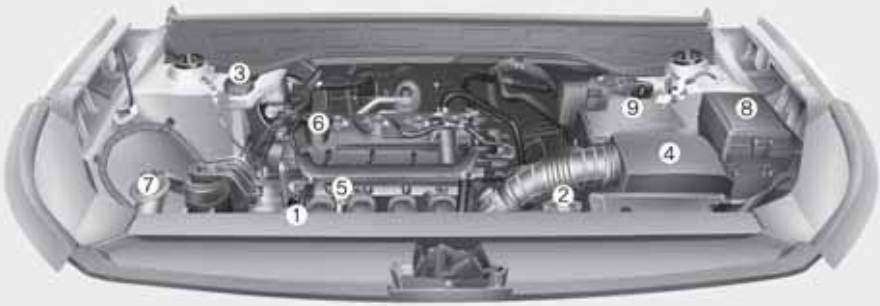
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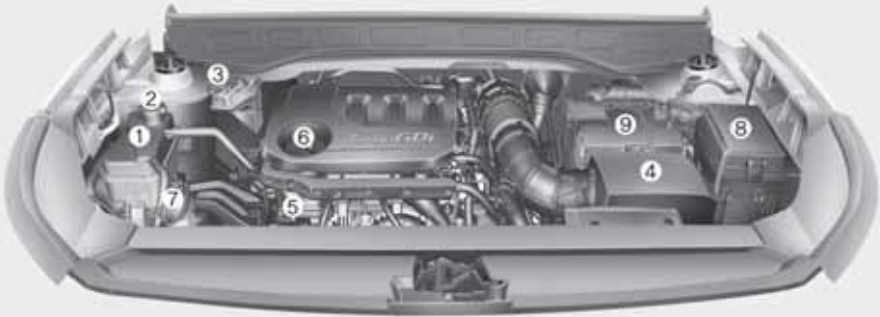
* : if equipped

ENGINE COMPARTMENT

■ Petrol Engine (1.2 MPI)



■ Petrol Engine (1.0 T-GDI)



The actual engine room in the vehicle may differ from the illustration.

OQXI072001/OQXI079100

1. Engine coolant reservoir	8-31
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8. Engine room junction block	8-60
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■ Diesel Engine (1.5 VGT)



The actual engine room in the vehicle may differ from the illustration.

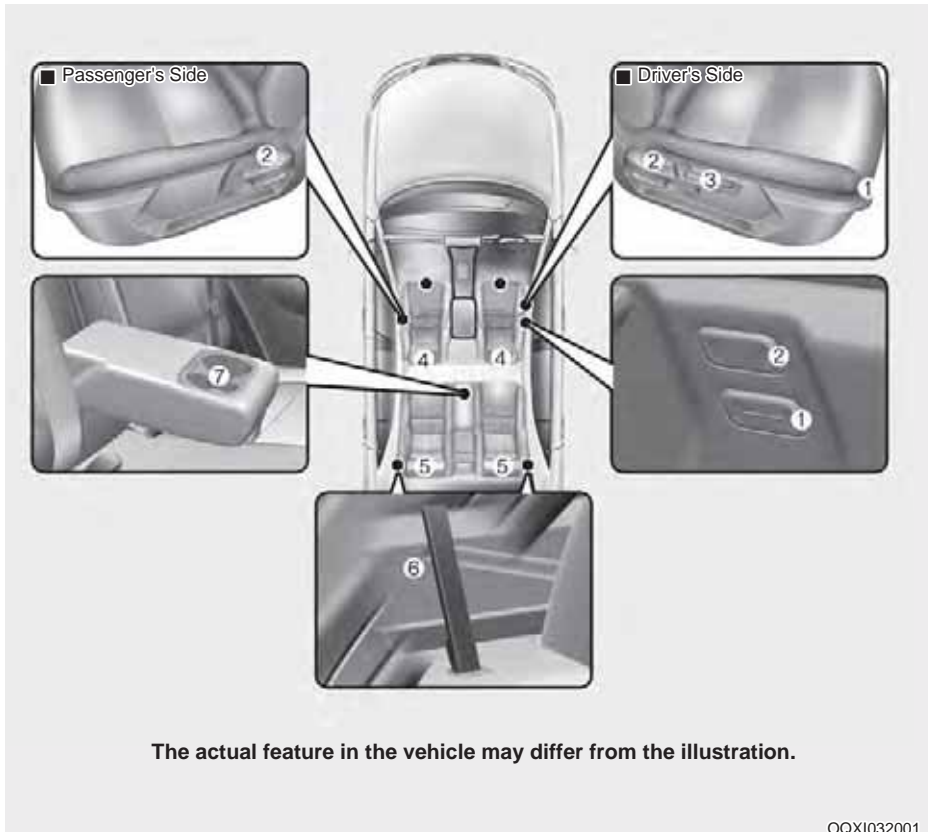
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1. Engine coolant reservoir	8-31
2. Radiator cap	8-32
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SEATS



Front seats

1. Forward and backward
2. Seatback angle
3. Seat height*
4. Headrest

Rear seats

5. Headrest
6. Seatback folding
7. Armrest*

* : if equipped

 **WARNING****Loose objects**

Loose objects in the driver's foot area could interfere with the operation of the foot pedals, possibly causing an accident. Do not place anything under the front seats.

 **WARNING****Uprighting seat**

When you return the seatback to its upright position, hold the seatback and return it slowly and be sure there are no other occupants around the seat. If the seatback is returned without being held and controlled, the back of the seat could move forward or backward resulting in accidental injury to a person struck by the seatback.

 **WARNING****Driver responsibility for passengers**

Riding in a vehicle with seatback reclined could lead to serious or fatal injury in an accident. If a seat is reclined during an accident, the occupant's hips may slide under the lap portion of the seat belt applying great force to the unprotected abdomen. The protection of your restraint system (seat belt and air bags) is greatly reduced by reclining your seat. Serious or fatal internal injuries could result. The driver must advise the passenger to keep the seatback in an upright position whenever the vehicle is in motion.

 **WARNING**

Do not use a sitting cushion that reduces friction between the seat and passenger. The passenger's hips may slide under the lap portion of the seat belt during an accident or a sudden stop. Serious or fatal internal injuries could result because the seat belt can't operate normally.

 **WARNING****Driver's seat**

- Never attempt to adjust seat while the vehicle is moving. This could result in loss of control, and an accident causing death, serious injury, or property damage.
- Do not allow anything to interfere with the normal position of the seatback. Storing items against a seatback or in any other way interfering with proper locking of a seatback could result in serious or fatal injury in a sudden stop or collision.
- Always drive and ride with your seatback upright and the lap portion of the seat belt snug and low across the hips. This is the best position to protect you in case of an accident.
- In order to avoid unnecessary and perhaps severe air bag injuries, always sit as far back as possible from the steering wheel while maintaining comfortable control of the vehicle.

 **WARNING**

Rear seatbacks

- The rear seatback must be securely latched. If not, passengers and objects could be thrown forward resulting in serious injury or death in the event of a sudden stop or collision.
- Luggage and other cargo should be laid flat in the cargo area. If objects are large, heavy, or must be piled, they must be secured. Under no circumstances should cargo be piled higher than the seatbacks. Failure to follow these warnings could result in serious injury or death in the event of a sudden stop, collision or rollover.
- No passenger should ride in the cargo area or sit or lie on folded seatbacks while the vehicle is moving. All passengers must be properly seated in seats and restrained properly while riding.
- When resetting the seatback to the upright position, make sure it is securely latched by pushing it forward and backwards.
- To avoid the possibility of burns, do not remove the carpet in the cargo area. Emission control devices beneath this floor generate high temperatures.

 **WARNING**

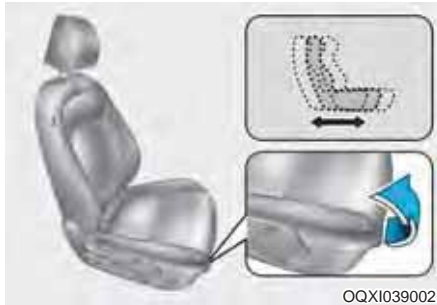
After adjusting the seat, always check that it is securely locked into place by attempting to move the seat forward or backward without using the lock release lever. Sudden or unexpected movement of the driver's seat could cause you to lose control of the vehicle resulting in an accident.

 **WARNING**

- Do not adjust the seat while wearing seat belts. Moving the seat forward may cause strong pressure on the abdomen.
- Use extreme caution so that hands or other objects are not caught in the seat mechanisms while the seat is moving.
- Do not put a cigarette lighter on the floor or seat. When you operate the seat, gas may gush out of the lighter and cause fire.
- If there are occupants in the rear seats, be careful while adjusting the front seat position.

Front seats

Manual adjustment (if equipped)

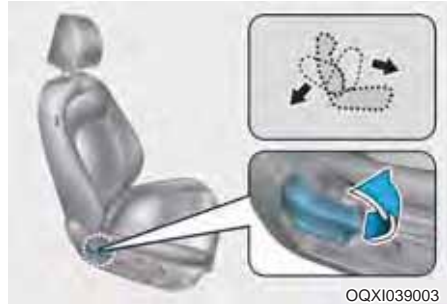


Forward and rearward

To move the seat forward or rearward:

1. Pull the seat slide adjustment lever up and hold it.
2. Slide the seat to the position you desire.
3. Release the lever and make sure the seat is locked in place.

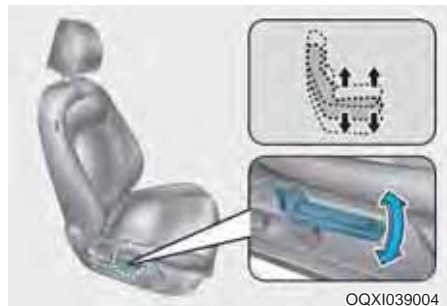
Adjust the seat before driving, and make sure the seat is locked securely by trying to move forward and rearward without using the lever. If the seat moves, it is not locked properly.



Seatback angle

To recline the seatback:

1. Lean forward slightly and lift up on the seatback recline lever.
2. Carefully lean back on the seat and adjust the seatback of the seat to the position you desire.
3. Release the lever and make sure the seatback is locked in place. (The lever **MUST** return to its original position for the seatback to lock.)



Seat height (for driver's seat, if equipped)

To change the height of the seat, move the lever upwards or downwards.

- To lower the seat, push the lever down several times.
- To raise the seat, pull the lever up several times.

Power adjustment (if equipped)

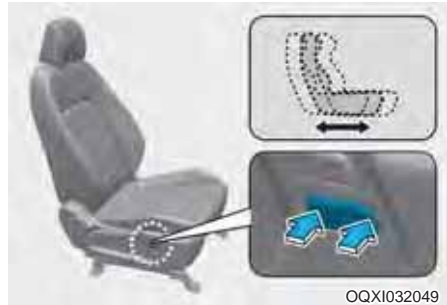
WARNING

NEVER allow children in the vehicle unattended. Children might push the adjustment switch accidentally and get caught in the seat mechanisms while the seat is moving.

CAUTION

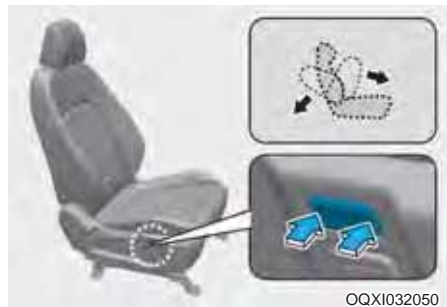
To prevent damage to the seats:

- Always stop adjusting the seats when the seat has been adjusted as far forward or rearward as possible.
- Do not adjust the seats longer than necessary when the engine is turned off. This may result in unnecessary battery drain.
- Do not operate two or more seats at the same time. This may result in an electrical malfunction.



Forward and rearward

Press the switch to move the front driver seat forward or rearward.



Seatback angle

Press the switch to recline the front seat seatback forward or rearward.

Reclining seatback

Sitting in a reclined position when the vehicle is in motion can be dangerous. Even when buckled up, the protections of your restraint system (seat belts and air bags) is greatly reduced by reclining your seatback.

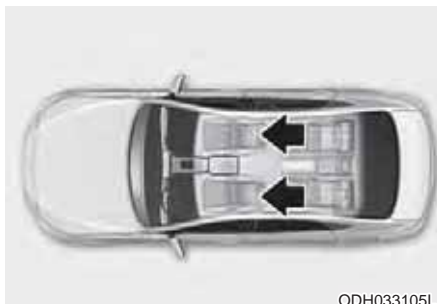
WARNING

NEVER ride with a reclined seatback when the vehicle is moving. Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop.

Driver and passengers should always sit well back in their seats with the upright seatbacks and should be belted properly.

Seat belts must be snug against your hips and chest to work properly. When the seatback is reclined, the shoulder belt cannot do its job because it will not be snug against your chest. Instead, it will be in front of you. During an accident, you could be thrown into the seat belt, causing neck or other injuries. The more the seatback is reclined, the greater chance the passenger's hips will slide under the lap belt or the passenger's neck will strike the shoulder belt.

Headrest



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

WARNING

To help reduce the risk of serious injury or death in an accident, take the following precautions when adjusting your headrests:

- **Always properly adjust the headrests for all passengers BEFORE starting the vehicle.**
- **NEVER let anyone ride in a seat with the headrests removed or reversed.**



Adjust the headrests so the middle of the headrests is at the same height as the height of the top of the eyes.

- NEVER adjust the headrest position of the driver's seat when the vehicle is in motion.
- Adjust the headrest as close to the passenger's head as possible. Do not use a seat that holds the body away from the seatback.
- Make sure the headrest locks into position after adjusting it.

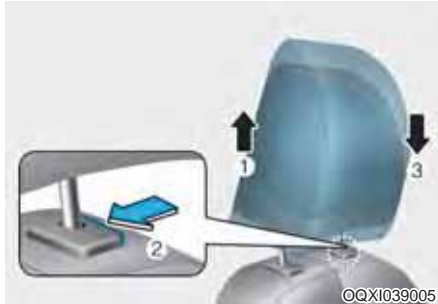
NOTICE

To prevent damage, NEVER hit or pull on the headrests.



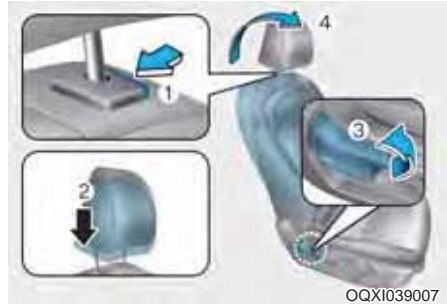
NOTICE

If you recline the seatback towards the front with the head restraint and seat raised, the head restraint may come in contact with the sunvisor or other parts of the vehicle.



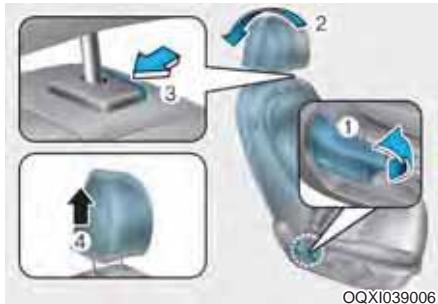
Adjusting the height up and down

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



To reinstall the headrest :

1. Put the headrest poles (2) into the holes while pressing the release button (1).
2. Adjust the headrest to the appropriate height.
3. Adjust the seatback (4) forward using the recline lever (3).



Removal/Reinstall

To remove the headrest:

1. Recline the seatback (2) with the recline lever (1).
2. Raise headrest as far as it can go.
3. Press the headrest release button (3) while pulling the headrest up (4).

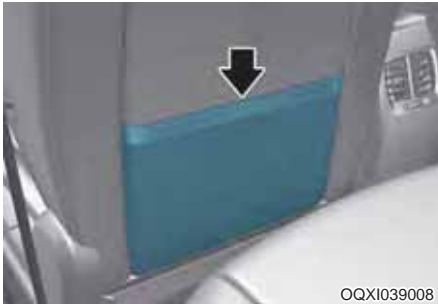
WARNING

NEVER allow anyone to ride in a seat with the headrest removed.

WARNING

Always make sure the headrest locks into position after reinstalling and adjusting it properly.

Seatback pocket



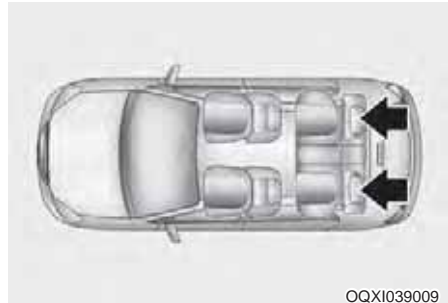
WARNING

Seatback pockets

Do not put heavy or sharp objects in the seatback pockets. In an accident they could come loose from the pocket and injure vehicle occupants.

Rear seats

Headrest



The rear seats are equipped with headrests in all the seating positions for the occupant's safety and comfort.

The headrest not only provides comfort for passengers, but also helps to protect the head and neck in the event of a collision.

WARNING

To help reduce the risk of serious injury or death in an accident, take the following precautions when adjusting your headrests:

- Always properly adjust the headrests for all passengers **BEFORE** starting the vehicle.
- **NEVER** let anyone ride in a seat with the headrests removed.



©LF034072N

- Adjust the headrests so the middle of the headrests is at the same height as the height of the top of the eyes.
- NEVER** adjust the headrest position of the driver's seat when the vehicle is in motion.
- Adjust the headrest as close to the passenger's head as possible. Do not use a seat that holds the body away from the seat-back.
- Make sure the headrest locks into position after adjusting it.

NOTICE

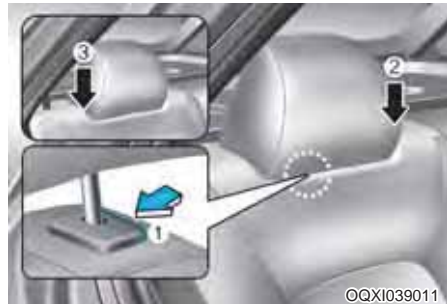
To prevent damage, **NEVER** hit or pull on the headrests.



©QXI039010

Adjusting the height up and down (if equipped)

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



©QXI039011

Removal (if equipped)

To remove the headrest, raise it as far as it can go then press the release button (1) while pulling upward (2).

To reinstall the headrest, put the headrest poles (3) into the holes while pressing the release button (1). Then adjust it to the appropriate height.

⚠ WARNING

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



Seatback angle (2nd row seat)

To recline the seatback:

1. Pull up the seatback recline lever.
2. Hold the lever and adjust the seatback of the seat to the position you desire.
3. Release the lever and make sure the seatback is locked in place. (The lever **MUST** return to its original position for the seatback to lock.)

Folding the rear seat

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

WARNING

- **Never allow passengers to sit on top of the folded down seatback while the vehicle is moving as this is not a proper seating position and no seat belts are available for use. This could result in serious injury or death in case of an accident or sudden stop.**
- **Objects carried on the folded down seatback should not extend higher than the top of the front seats. This could allow cargo to slide forward and cause injury or damage during sudden stops.**

Type A

1. Set the front seatback to the upright position and if necessary, slide the front seat forward.
2. Lower the rear headrests to the lowest position (if equipped with adjustable headrests).



3. Insert the rear lap/shoulder belt plate into the holder on the side trim. It will prevent the lap/shoulder belt from interfering with the seatback when folding.



4. Pull up both sides of the seatback lever and fold the seatback toward the front of the vehicle.

To use the rear seat, lift and push up the seatback backward. Push the seatback firmly until it clicks into place. Make sure the seatback is locked in place.

When returning the rear seatbacks to the upright position, remember to return the rear shoulder belts to their proper position.

Type B

1. Set the front seatback to the upright position and if necessary, slide the front seat forward.
2. Lower the rear headrests to the lowest position (if equipped with adjustable headrests).



3. Insert the rear lap/shoulder belt plate into the holder on the side trim. It will prevent the lap/shoulder belt from interfering with the seatback when folding.



4. Pull up both sides of the seatback lever and fold the seatback toward the front of the vehicle.

To use the rear seat, lift and push up the seatback backward. Push the seatback firmly until it clicks into place. Make sure the seatback is locked in place.

When returning the rear seatbacks to the upright position, remember to return the rear shoulder belts to their proper position.

i Information

If you are not able to pull out the seat belt from the retractor, firmly pull the belt out and release it. Then you will be able to pull the belt out smoothly.

⚠ WARNING

When you return the rear seatback to its upright position after being folded down:

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

NOTICE

- When returning the rear seatbacks to the upright position, remember to return the rear shoulder belts to their proper position.
- Routing the seat belt webbing through the rear seat belt guides will help keep the seat belts from being trapped behind or under the seats.

⚠ WARNING

Cargo

Cargo should always be secured to prevent it from being thrown about the vehicle in a collision and causing injury to the vehicle occupants. Do not place objects in the rear seats, since they cannot be properly secured and may hit the front seat occupants in a collision.

 **WARNING****Cargo loading**

Make sure the engine is off, the dual clutch transmission is in P (Park) or the Manual transmission is in R (Reverse) or 1st, and the parking brake is securely applied whenever loading or unloading cargo. Failure to take these steps may allow the vehicle to move if the shift lever is inadvertently moved to another position.

Armrest (if equipped)

The armrest is located in the center of the rear seat. Pull the armrest down from the seatback to use it.

SEAT BELTS

WARNING

- For maximum restraint system protection, the seat belts must always be used whenever the car is moving.
- Seat belts are most effective when seatbacks are in the up-right position.
- Children age 13 and under must always be properly restrained in the rear seat. Never allow children to ride in the front passenger seat. If a child over 13 must be seated in the front seat, he/she must be properly belted and the seat should be moved as far back as possible.
- Never wear the shoulder belt under your arm or behind your back. An improperly positioned shoulder belt can cause serious injuries in a crash. The shoulder belt should be positioned midway over your shoulder across your collarbone.
- Never wear a seat belt over fragile objects. If there is a sudden stop or impact, the seat belt can damage it.
- Avoid wearing twisted seat belts. A twisted belt can't do its job as well. In a collision, it could even cut into you. Be sure the belt webbing is straight and not twisted.
- Be careful not to damage the belt webbing or hardware. If the belt webbing or hardware is damaged, replace it.

WARNING

- Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.
- Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed.
- A slack belt will greatly reduce the protection afforded to the wearer.
- Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.
- It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious. Belts should not be worn with straps twisted. Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

WARNING

- No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.
- When you fasten the seat belt, be careful not to latch the seat belt in buckles of other seat. It's very dangerous and you may not be protected by the seat belt properly.
- Do not unfasten the seat belt and do not fasten and unfasten the seat belt repeatedly while driving. This could result in loss of control, and an accident causing death, serious injury, or property damage.
- When fastening the seat belt, make sure that the seat belt does not pass over objects that are hard or can break easily.
- Make sure there is nothing in the buckle. The seat belt may not be fastened securely.

Seat belt warning light *Driver's seat belt warning*



As a reminder to the driver, the driver's seat belt warning light will illuminate for approximately 6 seconds each time you turn the ignition switch or Engine Start/Stop button ON regardless of seat belt fastening.

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive under 20 km/h (12 mph) or stop, the corresponding warning light will illuminate.

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive 20 km/h (12 mph) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds.

When the seat belt is unfastened during driving, the warning light will illuminate when the speed is under 20 km/h (12 mph).

When the speed is 20 km/h (12 mph) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds.

Front passenger's seat belt warning



As a reminder to the front passenger, the front passenger's seat belt warning lights will illuminate for approximately 6 seconds each time you turn the ignition switch or Engine Start/Stop button ON regardless of belt fastening.

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive under 20 km/h (12 mph) or stop, the corresponding warning light will illuminate.

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive 20 km/h (12 mph) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds.

When the seat belt is fastened during driving, the warning light will illuminate when the speed is under 20 km/h (12 mph). When the speed is 20 km/h (12 mph) and faster, the warning light will blink and warning chime will sound for approximately 100 seconds.

WARNING

Riding in an improper position adversely affects the front passenger's seat belt warning system. It is important for the driver to instruct the passenger to be seated properly as instructed in this manual.

Information

- Although the front passenger seat is not occupied, the seat belt warning light will blink or illuminate for 6 seconds.
- The front passenger's seat belt warning may operate when luggage is placed on the front passenger seat.

Rear passenger's seat belt warning



For rear left and right side seat

As a reminder to the rear passenger, the rear passenger's seat belt warning lights will illuminate for approximately 6 seconds each time you turn the ignition switch or Engine Start/Stop button ON regardless of belt fastening.

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive under 20 km/h (12 mph), the corresponding warning light will continue to illuminate until you fasten the seat belt.

If you continue to drive without the seat belt fastened or you unfasten the seat belt when you drive 20 km/h (12 mph) and faster, the seat belt warning chime will sound for approximately 35 seconds and the corresponding warning light will blink.

When the seat belt is unfastened during driving, the warning light will illuminate when the speed is under 20 km/h (12 mph).

When the speed is 20 km/h (12 mph) and faster, the warning light will blink and warning chime will sound for approximately 35 seconds.

WARNING

Riding in an improper position adversely affects the rear passenger's seat belt warning system.

It is important for the driver to instruct the passenger to properly be seated as instructed in this manual.

Information

- Although the rear side passenger seat is not occupied, the seat belt warning light will blink or illuminate for 6 seconds.
- The rear side passenger's seat belt warning may operate when luggage, laptop or other electronic device is placed on the rear side passenger seat.

For rear center seat

As a reminder to the rear passenger, the rear passenger's seat belt warning light will illuminate for approximately 6 seconds each time you turn the ignition switch or Engine Start/ Stop button ON regardless of belt fastening.

If the seat belt is not fastened when the ignition switch or Engine Start/ Stop button is turned ON, the seat belt warning light will illuminate for approximately 70 seconds.

If you start to drive without the seat belt fastened or you unfasten the seat belt when you drive under 20 km/h (12 mph), the corresponding warning light will continue to illuminate for approximately 70 seconds.

If you continue to drive without the seat belt fastened or you unfasten the seat belt when you drive over 20 km/h (12 mph), the seat belt warning chime will sound for approximately 35 seconds and the corresponding warning light will blink.

If the rear door is opened or closed under 10 km/h (6 mph), warning light and warning sound does not work even if driving over 20 km/h (12 mph).

Lap/shoulder belt



To fasten your seat belt:

To fasten your seat belt, pull it out of the retractor and insert the metal tab (1) into the buckle (2). There will be an audible “click” when the tab locks into the buckle.



You should place the lap belt (1) portion across your hips and the shoulder belt (2) portion across your chest.

The seat belt automatically adjusts to the proper length only after the lap belt portion is adjusted manually so that it fits snugly around your hips. If you lean forward in a slow, easy motion, the belt will extend and let you move around. If there is a sudden stop or impact, however, the belt will lock into position. It will also lock if you try to lean forward too quickly.

i Information

If you are not able to pull out the safety belt from the retractor, firmly pull the belt out and release it. After release, you will be able to pull the belt out smoothly.

! WARNING

Improperly positioned seat belts may increase the risk of serious injury in an accident. Take the following precautions when adjusting the seat belt:

- Position the lap portion of the seat belt as low as possible across your hips, not on your waist, so that it fits snugly. This allows your strong pelvic bones to absorb the force of the crash, reducing the chance of internal injuries.
- Position one arm under the shoulder belt and the other over the belt, as shown in the illustration.
- Always position the shoulder belt anchor into the locked position at the appropriate height.
- Never position the shoulder belt across your neck or face.



To release the seat belt:

The seat belt is released by pressing the release button (1) in the locking buckle. When it is released, the belt should automatically draw back into the retractor.

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

3-point rear center seat belt



Insert the tongue plate (1) into the buckle (2) until an audible “click” is heard, indicating the latch is locked. Make sure the belt is not twisted. When using the rear center seat belt, the buckle with the “CENTER” mark must be used.

i Information

If you are not able to pull out the safety belt from the retractor, firmly pull the belt out and release it. After release, you will be able to pull the belt out smoothly.

! WARNING

Make sure that the seatback is locked in place when using the rear center seat belt.

If not, the seatback may move when there is a sudden stop or collision, which could result in serious injury.

Pre-tensioner seat belt (if equipped)



Your vehicle is equipped with driver's and front passenger's pre-tensioner seat belts (retractor pre-tensioner). The purpose of the pre-tensioner is to make sure the seat belts fit tightly against the occupant's body in certain frontal or side collision(s). The pre-tensioner seat belts may be activated in crashes where the frontal or side collision(s) is severe enough, together with the air bags. When the vehicle stops suddenly, or if the occupant tries to lean forward too quickly, the seat belt retractor will lock into position. In certain frontal collisions, the pre-tensioner will activate and pull the seat belt into tighter contact against the occupant's body.

! WARNING

For your safety, be sure that the belt webbing is not loose or twisted and always sit properly on your seat.

When the vehicle stops suddenly, or if the occupant tries to lean forward too quickly, the seat belt retractor will lock into position. In certain frontal collisions, the pre-tensioner will activate and pull the seat belt into tighter contact against the occupant's body.

WARNING

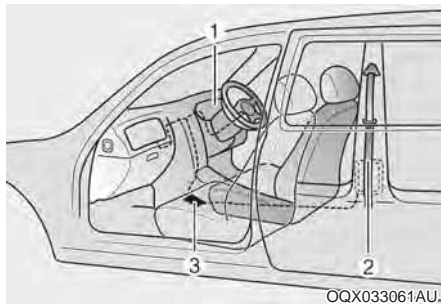
- Always wear your seat belt and sit properly in your seat.
- Do not use the seat belt if it is loose or twisted. A loose or twisted seat belt will not protect you properly in an accident.
- Do not place anything near the buckle. This may adversely affect the buckle and cause it to function improperly.
- Always replace your pre-tensioners after activation or an accident.
- NEVER inspect, service, repair or replace the pre-tensioners by yourself. This must be done by an authorized HYUNDAI dealer. Do not hit the seat belt assemblies.

WARNING

Do not touch the pre-tensioner seat belt assemblies for several minutes after they have been activated. When the pre-tensioner seat belt mechanism deploys during a collision, the pre-tensioner can become hot and can burn you.

CAUTION

Body work on the front area of the vehicle may damage the pre-tensioner seat belt system. Therefore, we recommend the system to be serviced by an authorized HYUNDAI dealer.



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

- (1) SRS air bag warning light
- (2) Retractor pre-tensioner assembly
- (3) SRS control module

NOTICE

The sensor that activates the SRS control module is connected with the pre-tensioner seat belts. The SRS air bag warning light on the instrument cluster will illuminate for approximately 6 seconds after the ignition switch is placed in the ON position, and then it should turn off. If the pre-tensioner is not working properly, the warning light will illuminate even if the SRS air bag is not malfunctioning. If the warning light does not illuminate, stays illuminated or illuminates when the vehicle is being driven, we recommend the pre-tensioner seat belts and/or SRS control module be inspected by an authorized HYUNDAI dealer as soon as possible.

i Information

- Both the driver's and front passenger's pre-tensioner seat belts may be activated in certain frontal or side collisions.
- When the pre-tensioner seat belts are activated, a loud noise may be heard and fine dust, which may appear to be smoke, may be visible in the passenger compartment. These are normal operating conditions and are not hazardous.
- Although it is non-toxic, the fine dust may cause skin irritation and should not be inhaled for prolonged periods. Wash all exposed skin areas thoroughly after an accident in which the pre-tensioner seat belts were activated.

Additional seat belt safety precautions

Seat belt use during pregnancy

The seat belt should always be used during pregnancy. The best way to protect your unborn child is to protect yourself by always wearing the seat belt. Pregnant women should always wear a lap-shoulder seat belt. Place the shoulder belt across your chest, routed between your breasts and away from your neck. Place the lap belt below your belly so that it fits **SNUGLY** across your hips and pelvic bone, under the rounded part of the belly.

 WARNING

To reduce the risk of serious injury or death to an unborn child during an accident, pregnant women should **NEVER** place the lap portion of the seat belt above or over the area of the abdomen where the unborn child is located.

Seat belt use and children

Infant and small children

Most countries have Child Restraint System laws which require children to travel in approved Child Restraint System devices, including booster seats. The age at which seat belts can be used instead of Child Restraint System differs among countries, so you should be aware of the specific requirements in your country, and where you are travelling. Infant and Child Restraint System must be properly placed and installed in a rear seat. For more details refer to the “Child Restraint Systems” in this chapter.

Small children are best protected from injury in an accident when properly restrained in the rear seat by a Child Restraint System that meets the requirements of the Safety Standards of your country. Before buying any Child Restraint System, make sure that it has a label certifying that it meets Safety Standard of your country. The Child Restraint System must be appropriate for your child’s height and weight. Check the label on the Child Restraint System for this information. Refer to “Child Restraint Systems” in this chapter.



WARNING

ALWAYS properly restrain infants and small children in a Child Restraint System appropriate for the child’s height and weight. To reduce the risk of serious injury or death to a child and other passengers, NEVER hold a child in your lap or arms when the vehicle is moving. The violent forces created during an accident will tear the child from your arms and throw the child against the interior of the vehicle.

Larger children

Children under age 13 and who are too large for a booster seat should always occupy the rear seat and use the available lap/shoulder belts. A seat belt should lie across the upper thighs and be snug across the shoulder and chest to restrain the child safely. Check belt fit periodically. A child's squirming could put the belt out of position. In the event of an accident, children are afforded the best safety restrained by a proper Child Restraint System in the rear seats. If a larger child over age 13 must be seated in the front seat, the child must be securely restrained by the available lap/shoulder belt and the seat should be placed in the rearmost position. If the shoulder belt portion slightly touches the child's neck or face, try placing the child closer to the center of the vehicle. If the shoulder belt still touches their face or neck, they need to be returned to an appropriate booster seat in the rear seat.

WARNING

- **Always make sure larger children's seat belts are worn and properly adjusted.**
- **NEVER allow the shoulder belt to contact the child's neck or face.**
- **Do not allow more than one child to use a single seat belt.**

Seat belt use and injured people

A seat belt should be used when an injured person is being transported. Consult a physician for specific recommendations.

One person per belt

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

Do not lie down

Sitting in a reclined position when the vehicle is in motion can be dangerous. Even when buckled up, the protections of your restraint system (seat belts and/or air bags) is greatly reduced by reclining your seatback. Seat belts must be snug against your hips and chest to work properly. During an accident, you could be thrown into the seat belt, causing neck or other injuries.

The more the seat back is reclined, the greater the chance for the passenger's hips to slide under the lap belt or the passenger's neck to strike the shoulder belt.

WARNING

- **NEVER ride with a reclined seatback when the vehicle is moving.**
- **Riding with a reclined seatback increases your chance of serious or fatal injuries in the event of a collision or sudden stop.**
- **Driver and passengers should always sit well back in their seats with the seatbacks upright and should be belted properly.**

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.

Periodic inspection

All seat belts should be inspected periodically for wear or damage of any kind. Any damaged parts should be replaced as soon as possible.

Keep belts clean and dry

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

When to replace seat belts

The entire seat belt assembly or assemblies should be replaced if the vehicle has been involved in an accident. This should be done even if no damage is visible. We recommend that you consult an authorized HYUNDAI dealer.

CHILD RESTRAINT SYSTEM

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

You should be aware of the specific requirements in your country. Child and/or infant safety seats must be properly placed and installed in the rear seat. You must use a commercially available child restraint system that meets the requirements of the Safety Standards of your country.

Child restraint systems are designed to be secured in vehicle seats by the lap belt portion of a lap/shoulder belt.

Children could be injured or killed in a crash if their restraints are not properly secured. For small children and babies, a child seat or infant seat must be used.

Before buying a particular child restraint system, make sure it fits your car seat and seat belts, and fits your child. Follow all the instructions provided by the manufacturer when installing the child restraint system.



WARNING

- **A child restraint system must be placed in the rear seat. Never install a child or infant seat on the front passenger's seat. Should an accident occur and cause the passenger-side air bag to deploy, it could severely injure or kill an infant or child seated in an infant or child seat. Thus only use a child restraint in the rear seat of your vehicle.**
- **A seat belt or child restraint system can become very hot if it is left in a closed vehicle on a sunny day, even if the outside temperature does not feel hot. Be sure to check the seat cover and buckles before placing a child there.**
- **When the child restraint system is not in use, store it in the luggage area or fasten it with a seat belt so that it will not be thrown forward in the case of a sudden stop or an accident.**
- **Children may be seriously injured or killed by an inflating air bag. All children, even those too large for child restraints, must ride in the rear seat.**

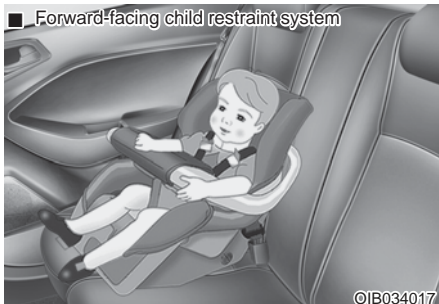
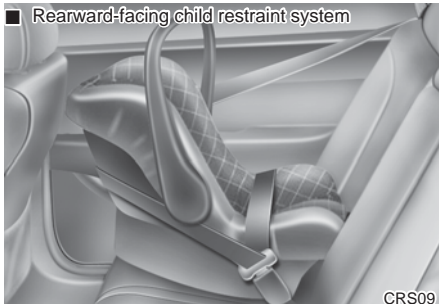


WARNING

To reduce the chance of serious or fatal injuries:

- Children of all ages are safer when restrained in the rear seat. A child riding in the front passenger seat can be forcefully struck by an inflating air bag resulting in serious or fatal injuries.
- Always follow the instructions for installation and use of the child restraint maker.
- Always make sure the child seat is secured properly in the car and your child is securely restrained in the child seat.
- Never hold a child in your arms or lap when riding in a vehicle. The violent forces created during a crash will tear the child from your arms and throw the child against the car's interior.
- Never put a seat belt over yourself and a child. During a crash, the belt could press deep into the child causing serious internal injuries.
- Never leave children unattended in a vehicle - not even for a short time. The car can heat up very quickly, resulting in serious injuries to children inside. Even very young children may inadvertently cause the vehicle to move, entangle themselves in the windows, or lock themselves or others inside the vehicle.
- Never allow two children, or any two persons, to use the same seat belt.
- Children often squirm and reposition themselves improperly. Never let a child ride with the shoulder belt under their arm or behind their back. Always properly position and secure children in rear seat.
- Never allow a child to stand-up or kneel on the seat or floor-board of a moving vehicle. During a collision or sudden stop, the child can be violently thrown against the vehicles interior, resulting in serious injury.
- Never use an infant carrier or a child safety seat that "hooks" over a seatback, it may not provide adequate security in an accident.
- Seat belts can become very hot, especially when the car is parked in direct sunlight. Always check seat belt buckles before fastening them over a child.
- After an accident, we recommend that the system be checked by an authorized HYUNDAI dealer.
- If there is not enough space to place the child restraint system because of the driver's seat, install the child restraint system in the rear right seat.

Using a child restraint system



For small children and babies, the use of a child seat or infant seat is required. This child seat or infant seat should be of appropriate size for the child and should be installed in accordance with the manufacturer's instructions.

For safety reasons, we recommend that the child restraint system is used in the rear seats.

WARNING

Never place a rear-facing child restraint in the front passenger seat, because of the danger that an inflating passenger-side air bag could impact the rear-facing child restraint and kill the child.

WARNING

Child seat installation

- A child can be seriously injured or killed in a collision if the child restraint is not properly anchored to the car and the child is not properly restrained in the child restraint. Before installing the child restraint system, read the instructions supplied by the child restraint system manufacturer.
- If the seat belt does not operate as described in this section, we recommend that the system be checked by an authorized HYUNDAI dealer.
- Failure to observe this manual's instructions regarding child restraint system and the instructions provided with the child restraint system could increase the risk and/or severity of injury in an accident.

Installing a Child Restraint System (CRS)

WARNING

Before installing your Child Restraint System always:

- **Read and follow the instructions provided by the manufacturer of the Child Restraint System.**
- **Failure to follow all warnings and instructions could increase the risk of the **SERIOUS INJURY** or **DEATH** if an accident occurs.**

WARNING

If the vehicle headrest prevents proper installation of a Child Restraint System (as described in the Child Restraint System manual), the headrest of the respective seating position shall be readjusted or entirely removed.

After selecting a proper Child Restraint System and checking that the Child Restraint System fits properly in the rear of this vehicle, you are ready to install the Child Restraint System according to the manufacturer's instruction. There are three general steps in installing the Child Restraint System properly:

- **Properly secure the Child Restraint System to the vehicle.** All Child Restraint Systems must be secured to the vehicle with the lap belt or lap part of a lap/shoulder belt or with the top-tether and/or ISOFIX anchorage.
- **Make sure the Child Restraint System is firmly secured.** After installing a Child Restraint System to the vehicle, push and pull the Child Restraint System forward and from side-to-side to verify that it is securely attached to the vehicle seat. A Child Restraint System secured with a seat belt should be installed as firmly as possible. However, some side-to-side movement can be expected.

When installing a Child Restraint System, adjust the vehicle seat (up and down, forward and rearward) so that your child fits in the Child Restraint System in a comfortable manner.

- **Secure the child in the Child Restraint System.** Make sure the child is properly strapped in the Child Restraint System according to the Child Restraint System manufacturer's instructions.



WARNING

A Child Restraint System in a closed vehicle can become very hot. To prevent burns, check the seating surface and buckles before placing your child in the Child Restraint System.

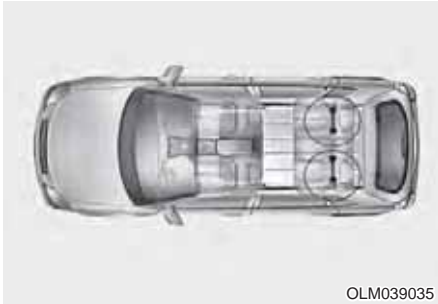
ISOFIX anchorage and top-tether anchorage (ISOFIX system) for children (if equipped)

The ISOFIX system holds a Child Restraint System during driving and in an accident. This system is designed to make installation of the Child Restraint System easier and reduce the possibility of improperly installing your Child Restraint System. The ISOFIX system uses anchors in the vehicle and attachments on the Child Restraint System. The ISOFIX system eliminates the need to use seat belts to secure the Child Restraint System to the rear seats.

ISOFIX anchors are metal bars built into the vehicle. There are two lower anchors for each ISOFIX seating position that will accommodate a Child Restraint System with lower attachments.

To use the ISOFIX system in your vehicle, you must have a Child Restraint System with ISOFIX attachments. (An ISOFIX-Child Restraint System may only be installed if it has vehicle-specific or universal approval in accordance with the requirements of ECE-R 44 or ECE-R 129.)

The Child Restraint System manufacturer will provide you with instructions on how to use the Child Restraint System with its attachments for the lower anchorages.



ISOFIX anchorages have been provided in the left and right outboard rear seating positions. Their locations are shown in the illustration. There are no ISOFIX anchorages provided for the center rear seating position.

WARNING

Do not attempt to install a Child Restraint System using ISOFIX anchorages in the rear center seating position. There are no ISOFIX anchorages provided for this seat.

Using the outboard seat anchorages, for the CRS installation on the rear center seating position, can damage the anchorages which may break or fail in a collision resulting in serious injury or death.



The ISOFIX anchorages symbols are located on the left and right rear seat to identify the position of the ISOFIX anchorages in your vehicle (see arrows in illustration).



Both rear outboard seats are equipped with a pair of ISOFIX anchorages as well as a corresponding top-tether anchorage on the back side of the rear seats.

(Child Restraint Systems with universal approval according to ECE-R44 or ECE-R129 need to be fixed additionally with a top-tether connected to the corresponding top-tether anchorage point on the back side of the rear seats.)

ISOFIX anchorages are located between the seatback and the seat cushion of the rear seat left and right outboard seating positions.

Securing a Child Restraint System with the “ISOFIX system”

To install a ISOFIX-compatible Child Restraint System in either of the rear outboard seating positions:

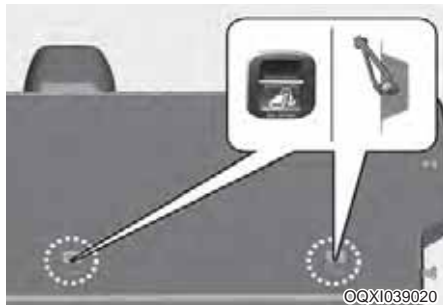
1. Move the seat belt buckle away from the ISOFIX anchorages.
2. Move any other objects away from the anchors that could prevent a secure connection between the Child Restraint System and the ISOFIX anchorages.
3. Place the Child Restraint System on the vehicle seat, then attach the seat to the ISOFIX anchorages according to the instructions provided by the Child Restraint System manufacturer.
4. Follow the instructions of the Child Restraint System’s manufacturer for proper installation and connection of the ISOFIX attachments on the Child Restraint System to the ISOFIX anchorages.

WARNING

Take the following precautions when using the ISOFIX system:

- **Read and follow all installation instructions provided with your Child Restraint System.**
- **To prevent the child from reaching and taking hold of unretracted seat belts, buckle all unused rear seat belts and retract the seat belt webbing behind the child. Children can be strangled if a shoulder belt becomes wrapped around their neck and the seat belt tightens.**
- **NEVER attach more than one Child Restraint System to a single anchorage. This could cause the anchor or attachment to come loose or break.**
- **Always have the ISOFIX system inspected by your dealer after an accident. An accident can damage the ISOFIX system and may not properly secure the Child Restraint System.**

Securing a Child Restraint System with “Top-tether anchorage” system (if equipped)



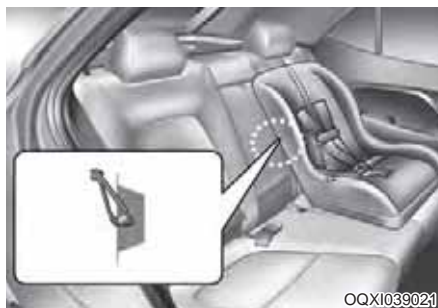
First secure the Child Restraint System with the ISOFIX anchorages or the seat belt. If the Child Restraint System manufacturer recommends the top-tether to be attached, attach and tighten the top-tether to the top-tether anchorage. Top-tether anchorages are located on the back of the rear seats.

WARNING

Take the following precautions when installing the top-tether:

- Read and follow all installation instructions provided with your Child Restraint System.
- NEVER attach more than one Child Restraint System to a single top-tether anchorage. This could cause the anchorage or attachment to come loose or break.
- Do not attach the top-tether to anything other than the correct top-tether anchorage. It may not work properly if attached to something else.

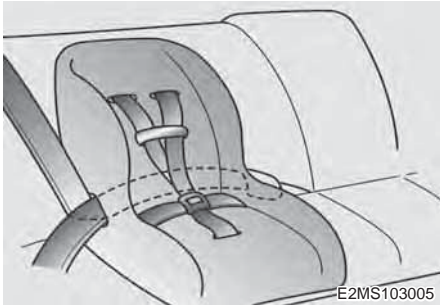
- Child Restraint System anchorages are designed to withstand only those loads imposed by correctly fitted Child Restraint Systems. Do not use them for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.



To install the top-tether :

1. Route the Child Restraint System top-tether over the Child Restraint System seatback. Route the top-tether under the headrest and between the headrest posts, or route the top-tether over the top of the vehicle seatback. Make sure the strap is not twisted.
2. Connect the top-tether to the top-tether anchorage, then tighten the top-tether according to the instructions of your Child Restraint System’s manufacturer to firmly attach the Child Restraint System to the seat.
3. Check that the Child Restraint System is securely attached to the seat by pushing and pulling the seat forward and from side-to-side.

Installing a child restraint system by lap/shoulder belt



To install a child restraint system on the outboard or center rear seats, do the following:

1. Place the child restraint system in the seat and route the lap/shoulder belt around or through the restraint, following the restraint manufacturer's instructions. Be sure the seat belt webbing is not twisted.



2. Fasten the lap/shoulder belt latch into the buckle. Listen for the distinct "Click" sound.

Position the release button so that it is easy to access in case of an emergency.



3. Buckle the seat belt and allow the seat belt to take up any slack. After installation of the child restraint system, try to move it in all directions to be sure the child restraint system is securely installed.

If you need to tighten the belt, pull more webbing toward the retractor. When you unbuckle the seat belt and allow it to retract, the retractor will automatically revert back to its normal seated passenger emergency locking usage condition.


Suitability of each seating position for belted & ISOFIX Child Restraint Systems according to UN regulations

(Information for use by vehicle users and CRS manufacturers)

- Yes : Suitable for fitment of the designated category of CRS
- No : Not suitable for fitment of the designated category of CRS
- “-” : Not applicable
- The table is based on RHD vehicle. Except for the front passenger seat, the table is valid for LHD vehicle.
For LHD vehicle front passenger of number 3 , please use information for the seating position number 1.

CRS categories		Seating positions						
		1	2	3	4	5		6
						2pt belt	3pt belt	
Universal belted CRS		No	-	-	Yes F, R	Yes ¹⁾ F	Yes F, R	Yes F, R
i-Size CRS	ISOFIX (F2,F2X,R1,R2)	No	-	-	No	No	No	No
Carry cot (ISOFIX lateral facing CRS)	ISOFIX CRF (L1,L2)	No	-	-	No	No	No	No
ISOFIX infant* CRS (* : ISOFIX baby CRS)	ISOFIX CRF (R1)	No	-	-	Yes R	No	No	Yes R
ISOFIX toddler CRS - small	ISOFIX (F2,F2X,R2,R2X)	No	-	-	Yes F, R	No	No	Yes F, R
ISOFIX toddler CRS - large* (* : not booster seats)	ISOFIX CRF (F3,R3)	No	-	-	Yes F, R	No	No	Yes F, R
Booster seat-Reduced width	ISOFIX CRF (B2)	No	-	-	Yes	No	No	Yes
Booster seat-Full width	ISOFIX CRF (B3)	No	-	-	Yes	No	No	Yes

* F : Forward facing, R : Rearward facing

Seat number	Position in the vehicle	Remarks
1	Front left	
2	Front center	
3	Front right	
4	2 nd row left	
5	2 nd row center	
6	2 nd row right	

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- Note ¹⁾ : Seat belt is 2 point type, Universal belted CRS only applies to forward facing.
- If the vehicle headrest prevents proper installation of a CRS, the headrest of the seating position shall be readjusted or entirely removed
- Never place a rearward facing Child Restraint System on the front passenger seat, unless the air bag is deactivated.

Child Seat Restraint Suitability for Seat Position using the Seat Belt - Indian Conditions

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.

Mass Group		Seating Position (or other side)				
		Front Passenger	Rear Outboard	Rear Center	Intermediate Outboard	Intermediate Centre
Group 0	Up to 10 kg	U	U	X	-	-
Group 0+	Up to 13 kg	U	U	X	-	-
Group I	9 to 18 kg	U	U	X	-	-
Group II	15 to 25 kg	U	U	X	-	-
Group III	22 to 36 kg	U	U	X	-	-

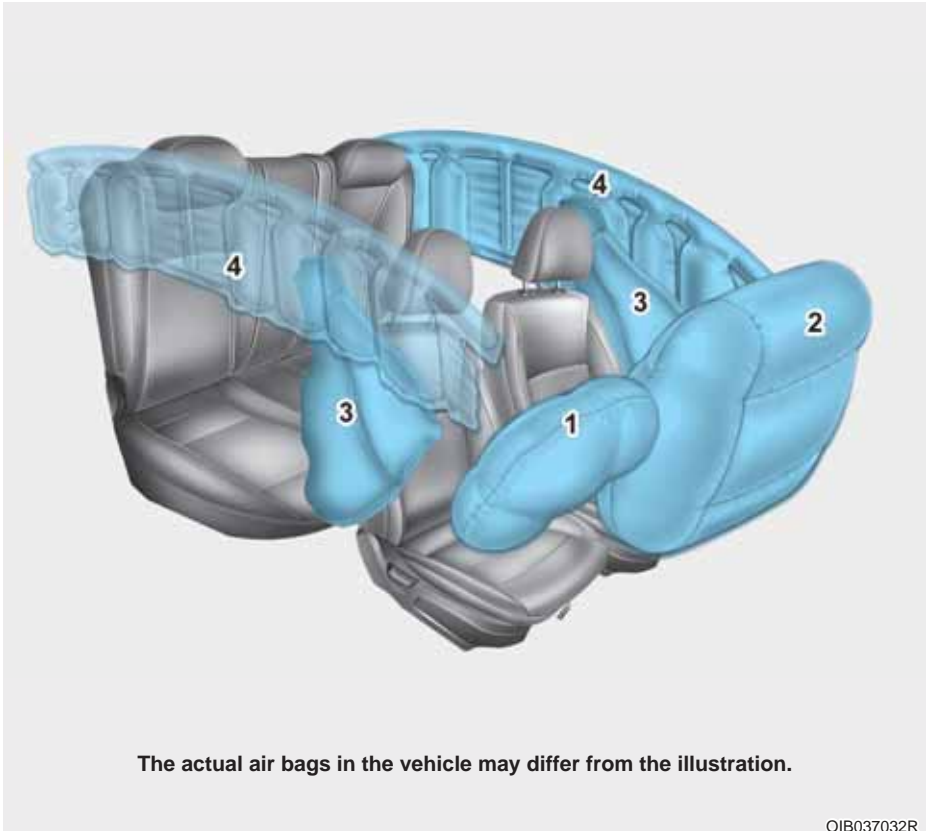
U = Suitable for “Universal” category Child Restraints Systems approved for use in mass group.

UF = Suitable for forward facing “universal” category restraints for use in this mass group.

X = Seat position not suitable for children in this mass group.

Remarks:- Co driver seat: Up right, Rearmost position & Seat belt shoulder anchorage to lowest position.

AIR BAG - SUPPLEMENTAL RESTRAINT SYSTEM (SRS)



1. Driver's front air bag
2. Passenger's front air bag
3. Side impact air bag*
4. Curtain air bag*

* : if equipped



WARNING

- **Even in vehicles with air bags, you and your passengers must always wear the safety belts provided in order to minimize the risk and severity of injury in the event of a collision or roll-over.**

- **SRS and pretensioners contain explosive chemicals.**

If scraping a vehicle without removing SRS and pretensioners from a vehicle, it may cause fire. Before scraping a vehicle, we recommend that you contact an authorized Hyundai dealer.

- **Keep the SRS parts and wirings away from water or any liquid. If the SRS components are inoperative due to exposure to water or liquids, it may cause fire or severe injury.**

How does the air bag system operate

- Air bags are activated (able to inflate if necessary) only when the ignition switch is placed to the ON or START position.
- Air bags inflate instantly in the event of serious frontal or side collision in order to help protect the occupants from serious physical injury.
- There is no single speed at which the air bags will inflate.

Generally, air bags are designed to inflate based upon the severity of a collision and its direction. These two factors determine whether the sensors produce an electronic deployment/ inflation signal.

- Air bag deployment depends on a number of factors including vehicle speed, angles of impact and the density and stiffness of the vehicles or objects which your vehicle hits in the collision. The determining, factors are not limited to those mentioned above.
- The front air bags will completely inflate and deflate in an instant.

It is virtually impossible for you to see the air bags inflate during an accident.

It is much more likely that you will simply see the deflated air bags hanging out of their storage compartments after the collision.

- In order to help provide protection in a severe collision, the air bags must inflate rapidly. The speed of air bag inflation is a consequence of extremely short time in which a collision occurs and the need to get the air bag between the occupant and the vehicle structures before the occupant impacts those structures. This speed of inflation reduces the risk of serious or life-threatening injuries in a severe collision and is thus a necessary part of air bag design.

However, air bag inflation can also cause injuries which can include facial abrasions, bruises and broken bones because the inflation speed also causes the air bags to expand with a great deal of force.

- **There are even circumstances under which contact with the steering wheel air bag can cause fatal injuries, especially if the occupant is positioned excessively close to the steering wheel.**

 **WARNING**

- **To avoid severe personal injury or death caused by deploying air bags in a collision, the driver should sit as far back from the steering wheel air bag as possible. The front passenger should always move their seat as far back as possible and sit back in their seat.**
- **Air bag inflates instantly in an event of a collision, passengers may be injured by the air bag expansion force if they are not in a proper position.**
- **Air bag inflation may cause injuries including facial or bodily abrasions, injuries from broken glasses or burns.**

Noise and smoke

When the air bags inflate, they make a loud noise and they leave smoke and powder in the air inside of the vehicle. This is normal and is a result of the ignition of the air bag inflator. After the air bag inflates, you may feel substantial discomfort in breathing due to the contact of your chest with both the seat belt and the air bag, as well as from breathing the smoke and powder. **Open your doors and/or windows as soon as possible after impact in order to reduce discomfort and prevent prolonged exposure to the smoke and powder.**

Though smoke and powder are non-toxic, it may cause irritation to the skin (eyes, nose and throat, etc.). If this is the case, wash and rinse with cold water immediately and consult with the doctor if the symptom persists.

 **WARNING**

When the air bags deploy, the air bag related parts in the steering wheel and/or instrument panel and/or in both sides of the roof rails above the front and rear doors are very hot. To prevent injury, do not touch the air bag storage areas internal components immediately after an air bag has inflated.

Do not install a child restraint on the front passenger's seat. (if equipped)



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Never place a rear-facing child restraint in the front passenger's seat. If the air bag deploys, it would impact the rear-facing child restraint, causing serious or fatal injury.

In addition, do not place front-facing child restraints in the front passenger's seat either. If the front passenger air bag inflates, it would cause serious or fatal injuries to the child.

 **WARNING**

- **NEVER** use a rearward facing child restraint on a seat protected by an **ACTIVE AIR BAG** in front of it, **DEATH** or **SERIOUS INJURY** to the **CHILD** can occur.
- Never put a child restraint in the front passenger seat. If the front passenger air bag inflates, it would cause serious or fatal injuries.
- When children are seated in the rear outboard seats of vehicle equipped with curtain air bags, be sure to install the child restraint system as far away from the door side as possible, and securely lock the child restraint system in position.

Inflation of curtain air bags could cause serious injury or death to an infant or child.

Air bag warning and indicator

Air bag warning light



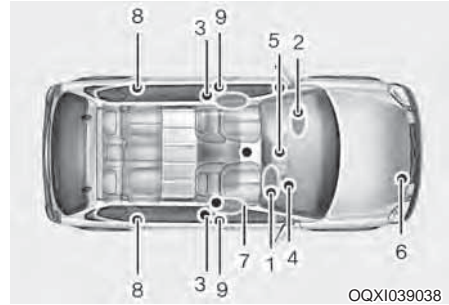
The purpose of the air bag warning light in your instrument panel is to alert you of a potential problem with your air bag - Supplemental Restraint System (SRS).

When the ignition switch is turned ON, the warning light should illuminate for approximately 6 seconds, then go off.

Have the system checked if:

- The light does not turn on briefly when you turn the ignition ON.
- The light stays on after illuminating for approximately 6 seconds.
- The light comes on while the vehicle is in motion.
- The light blinks when the ignition switch is in ON position.

SRS components and functions



The SRS consists of the following components:

- (1) Driver's front air bag module
- (2) Passenger's front air bag module
- (3) Pre-tensioner seatbelt system*
- (4) Air bag warning light
- (5) SRS control module (SRSCM)
- (6) Front impact sensor
- (7) Side impact air bag modules*
- (8) Curtain air bag modules *
- (9) Side impact sensors *

* : if equipped

The SRSCM continuously monitors all SRS components while the ignition switch is ON to determine if a crash impact is severe enough to require air bag deployment or pre-tensioner seat belt deployment.

The SRS air bag warning light on the instrument panel will illuminate for about 6 seconds after the ignition switch is turned to the ON position, after which the air bag warning light should go out.


WARNING

If any of the following conditions occurs, this indicates a malfunction of the SRS. We recommend that the system be inspected by an authorized HYUNDAI dealer.

- The light does not turn on briefly when you turn the ignition ON.
- The light stays on after illuminating for approximately 6 seconds.
- The light comes on while the vehicle is in motion.
- The light blinks when the ignition switch is in ON position.



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



Upon deployment, tear seams molded directly into the pad covers will separate under pressure from the expansion of the air bags. Further opening of the covers then allows full inflation of the air bags.



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

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



WARNING

- **Do not install or place any accessories (drink holder, cassette holder, sticker, etc.) on the front passenger's panel above the glove box in a vehicle with a passenger's air bag. Such objects may become dangerous projectiles and cause injury if the passenger's air bag inflates.**
- **When installing a container of liquid air freshener inside the vehicle, do not place it near the instrument cluster nor on the instrument panel surface.**

It may become a dangerous projectile and cause injury if the passenger's air bag inflates.

WARNING

- If an air bag deploys, there may be a loud noise followed by a fine dust released in the vehicle. These conditions are normal and are not hazardous - the air bags are packed in this fine powder. The dust generated during air bag deployment may cause skin or eye irritation as well as aggravate asthma for some persons. Always wash all exposed skin areas thoroughly with cold water and a mild soap after an accident in which the air bags were deployed.
- The SRS can function only when the ignition switch is in the ON position.
- Before you replace a fuse or disconnect a battery terminal, turn the ignition switch to the LOCK position and remove the ignition key. Never remove or replace the air bag related fuse(s) when the ignition switch is in the ON position. Failure to heed this warning will cause the SRS air bag warning light to illuminate.

Driver's and passenger's front air bag



Your vehicle is equipped with a Supplemental Restraint (Air Bag) System and lap/shoulder belts at both the driver and passenger seating positions.

The indications of the system's presence are the letters "AIR BAG" engraved on the air bag pad cover in the steering wheel and the passenger's side front panel pad above the glove box.

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

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



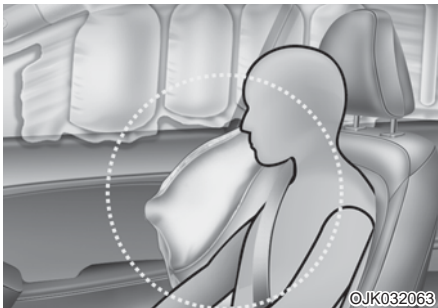
WARNING

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

- **ABC – Always Buckle Children in the back seat. It is the safest place for children of any age to ride.**
- **Front and side impact air bags can injure occupants improperly positioned in the front seats.**
- **Move your seat as far back as practical from the front air bags, while still maintaining control of the vehicle.**
- **You and your passengers should never sit or lean unnecessarily close to the air bags. Improperly positioned drivers and passengers can be severely injured by inflating air bags.**
- **Never lean against the door or center console – always sit in an upright position.**
- **No objects (such as crash pad cover, cellular phone holder, cup holder, air fresheners or stickers) should be placed over or near the air bag modules on the steering wheel, instrument panel, windshield glass, and the front passenger's panel above the glove box. Such objects could cause harm if the vehicle is in a crash severe enough to cause the air bags to deploy.**
- **Do not attach any objects on the front windshield and inside mirror.**
- **To reduce the chance of serious or fatal injuries and receive the maximum safety benefit from your restraint system:**
- **Never place a child in any child or booster seat in the front seat.**

- 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 air bags or by rendering the SRS inoperative.
- If the SRS air bag warning light remains illuminated while the vehicle is being driven, we recommend that the system be inspected by an authorized HYUNDAI dealer.
- Air bags can only be used once – we recommend that the system be replaced by an authorized HYUNDAI dealer.
- The SRS is designed to deploy the front air bags only when an impact is sufficiently severe and when the impact angle is less than 30° from the forward longitudinal axis of the vehicle. Additionally, the air bags will only deploy once. Seat belts must be worn at all times.
- Front air bags are not intended to deploy in side-impact, rear-impact or rollover crashes. In addition, front air bags will not deploy in frontal crashes below the deployment threshold.
- A child restraint system must never be placed in the front seat. The infant or child could be severely injured or killed by an air bag deployment in case of an accident.
- Children age 13 and under must always be properly restrained in the rear seat. Never allow children to ride in the front passenger seat. If a child over 13 must be seated in the front seat, he or she must be properly belted and the seat should be moved as far back as possible.
- For maximum safety protection in all types of crashes, all occupants including the driver should always wear their seat belts whether or not an air bag 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 air bag while the vehicle is in motion.
- Sitting improperly or out of position can result in serious or fatal injury in a crash. All occupants should sit upright with the seat back in an upright position, centered on the seat cushion with their seat belt on, legs comfortably extended and their feet on the floor until the vehicle is parked and the ignition key is removed.
- The SRS air bag 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 air bag may forcefully contact the occupant causing serious or fatal injuries.

Side impact air bag (if equipped)



The actual air bags in the vehicle may differ from the illustration.

Your vehicle is equipped with a side impact air bag in each front seat.

The purpose of the air bag is to provide the vehicle's driver and/or the front passenger with additional protection than that offered by the seat belt alone.

The side impact air bags are designed to deploy only during certain side-impact collisions, depending on the crash severity, angle, speed and point of impact. The side impact air bags are not designed to deploy in all side impact situations.

WARNING

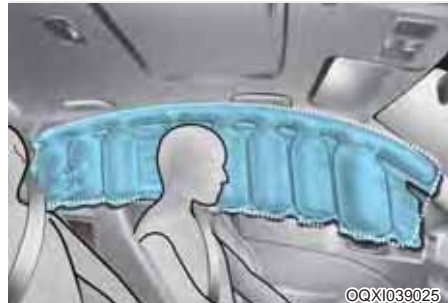
Do not allow the passengers to lean their heads or bodies onto doors, put their arms on the doors, stretch their arms out of the window, or place objects between the doors and passengers when they are seated on seats equipped with side and/or curtain air bags.

WARNING

- **The side impact air bag is supplemental to the driver's and the passenger's seat belt systems and is not a substitute for them. Therefore your seat belts must be worn at all times while the vehicle is in motion. The air bags deploy only in certain side impact conditions severe enough to cause significant injury to the vehicle occupants.**
- **For best protection from the side impact air bag system and to avoid being injured by the deploying side impact air bag, both front seat occupants should sit in an upright position with the seat belt properly fastened. The driver's hands should be placed on the steering wheel at the 9:00 and 3:00 positions. The passenger's arms and hands should be placed on their laps.**
- **Do not use any accessory seat covers.**
- **Use of seat covers could reduce or prevent the effectiveness of the system.**
- **Do not install any accessories on the side or near the side impact air bag.**

- Do not place any objects over the air bag or between the air bag and yourself. Also, do not attach any objects around the area the air bag inflates such as the door, side door glass, front and rear pillar.
- Do not place any objects between the door and the seat. They may become dangerous projectiles if the side air bag inflates.
- Do not put any objects between the side air bag label and seat cushion. It could cause harm if the vehicle is in a crash severe enough to cause the air bags to deploy.
- To prevent unexpected deployment of the side impact air bag that may result in personal injury, avoid impact to the side impact sensor when the ignition switch is on.
- If the seat or seat cover is damaged, we recommend that the system be serviced by an authorized HYUNDAI dealer.
- Inform the dealer that your vehicle is equipped with side impact air bags.

Curtain air bag (if equipped)



The actual air bags in the vehicle may differ from the illustration.

Curtain air bags are located along both sides of the roof rails above the front and rear doors.

They are designed to help protect the heads of the front seat occupants and the rear outboard seat occupants in certain side impact collisions.

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



WARNING

- In order for side impact and curtain air bags to provide the best protection, both front seat occupants and both outboard rear occupants should sit in an upright position with the seat belts properly fastened.

Importantly, children should sit in a proper child restraint system in the rear seat.

- When children are seated in the rear outboard seats, they must be seated in the proper child restraint system. Make sure to put the child restraint system as far away from the door side as possible, and secure the child restraint system in a locked position.
- Do not place any objects over the air bag. Also, do not attach any objects around the area the air bag inflates such as the door, side door glass, front and rear pillar, roof side rail.
- Do not hang other objects except clothes, especially hard or breakable objects. In an accident, it may cause vehicle damage or personal injury.

- Do not allow the passengers to lean their heads or bodies onto doors, put their arms on the doors, stretch their arms out of the window, or place objects between the doors and passengers when they are seated on seats equipped with side and/or curtain air bags.
- Do not open or repair the side curtain air bags.
- Never try to open or repair any components of the side curtain air bag system. We recommend that the system be serviced by an authorized HYUNDAI dealer.

Failure to follow the above mentioned instructions can result in injury or death to the vehicle occupants in an accident.

Why didn't my air bag go off in a collision? (Inflation and non-inflation conditions of the air bag)

There are many types of accidents in which the air bag would not be expected to provide additional protection.

These include rear impacts, second or third collisions in multiple impact accidents, as well as low speed impacts.

Air bag inflation conditions



- (1) SRS control module
- (2) Front impact sensor
- (3) Side impact sensor*

* : if equipped

 **WARNING**

- Do not hit or allow any objects to impact the locations where air bags or sensors are installed.

This may cause unexpected air bag deployment, which could result in serious personal injury or death.

- If the installation location or angle of the sensors is altered in any way, the air bags may deploy when they should not or they may not deploy when they should, causing severe injury or death.

Therefore, do not try to perform maintenance on or around the air bag sensors. We recommend that the system be serviced by an authorized HYUNDAI dealer.

- Problems may arise if the sensor installation angles are changed due to the deformation of the front bumper, body or B pillar where side collision sensors are installed. We recommend that the system be serviced by an authorized HYUNDAI dealer.
- Your vehicle has been designed to absorb impact and deploy the air bag(s) in certain collisions. Installing aftermarket bumper guards or replacing a bumper with non-genuine parts may adversely affect your vehicles collision and air bag deployment performance.

Air bag inflation conditions



Front air bags

Front air bags are designed to inflate in certain frontal collision depending on the crash severity, speed or angles of impact of the front collision.

Side air bags (if equipped)

Side air bags (side impact and/or curtain air bags) are designed to inflate when an impact is detected by side collision sensors depending on the crash severity, speed or angles of impact resulting from a side impact collision.

Although the front air bags (driver's and front passenger's air bags) are designed to inflate only in frontal collisions, they also may inflate in other types of collisions if the front impact sensor detect a sufficient impact. Side air bags (side impact and/or curtain air bags) are designed to inflate only in side impact collisions, but they may inflate in other collisions if the side impact sensors detect a sufficient impact.

If the vehicle chassis is impacted by bumps or objects on unimproved roads or sidewalks, air bags may deploy. Drive carefully on unimproved roads or on surfaces not designed for vehicle traffic to prevent unintended air bag deployment.

Air bag non-inflation conditions



- In certain low-speed collisions the air bags may not deploy. The air bags are designed not to deploy in such cases because they may not provide benefits beyond the protection of the seat belts in such collisions.

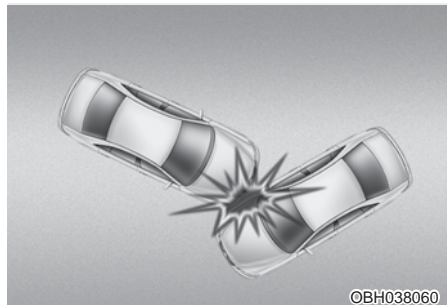


- Front air bags are not designed to inflate in rear collisions, because occupants are moved backward by the force of the impact. In this case, inflated air bags would not be able to provide any additional benefit.



- Front air bags may not inflate in side impact collisions, because occupants move to the direction of the collision, and thus in side impacts, frontal air bag deployment would not provide additional occupant protection.

However, side impact or curtain air bags may inflate depending on the intensity, vehicle speed and angles of impact.



- In a slant or angled collision, the force of impact may direct the occupants in a direction where the air bags would not be able to provide any additional benefit, and thus the sensors may not deploy any air bags.



- Just before impact, drivers often brake heavily. Such heavy braking lowers the front portion of the vehicle causing it to “ride” under a vehicle with a higher ground clearance. Air bags may not inflate in this “under-ride” situation because deceleration forces that are detected by sensor may be significantly reduced by such “under-ride” collisions.



- Air bags do not inflate in rollover accidents because vehicle can not detect rollover accident. However, side and/or curtain air bags may inflate when the vehicle is rolled over after side impact collision.



- Air bags may not inflate if the vehicle collides with objects such as utility poles or trees, where the point of impact is concentrated and the collision energy is absorbed by the vehicle structure.

SRS Care

The SRS is virtually maintenance-free and so there are no parts you can safely service by yourself. If the SRS air bag warning light does not illuminate, or continuously remains on, we recommend that the system be inspected by an authorized HYUNDAI dealer.

We recommend that the any work on the SRS system, such as removing, installing, repairing, or any work on the steering wheel, the front passenger's panel, front seats and roof rails be performed by an authorized HYUNDAI dealer. Improper handling of the SRS system may result in serious personal injury.

**WARNING**

- Modification to SRS components or wiring, including the addition of any kind of badges to the pad covers or modifications to the body structure, can adversely affect SRS performance and lead to possible injury.
- For cleaning the air bag pad covers, use only a soft, dry cloth or one which has been moistened with plain water. Solvents or cleaners could adversely affect the air bag covers and proper deployment of the system.
- No objects should be placed over or near the air bag 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 air bags to inflate.
- If the air bags inflate, we recommend that the system be replaced by an authorized HYUNDAI dealer.
- Do not tamper with or disconnect SRS wiring, or other components of the SRS system. Doing so could result in injury, due to accidental inflation of the air bags or by rendering the SRS inoperative.
- If components of the air bag system must be discarded, or if the vehicle must be scrapped, certain safety precautions must be observed. An authorized HYUNDAI dealer knows these precautions and can give you the necessary information. Fail-

ure to follow these precautions and procedures could increase the risk of personal injury.

- If your car was flooded and has soaked carpeting or water on the flooring, you shouldn't try to start the engine; we recommend that you contact an authorized HYUNDAI dealer.

Additional safety precautions

- **Never let passengers ride in the cargo area or on top of a folded-down back seat.** All occupants should sit upright, fully back in their seats with their seat belts on and their feet on the floor.
- **Passengers should not move out of or change seats while the vehicle is moving.** A passenger who is not wearing a seat belt during a crash or emergency stop can be thrown against the inside of the vehicle, against other occupants, or out of the vehicle.
- **Each seat belt is designed to restrain one occupant.** If more than one person uses the same seat belt, they could be seriously injured or killed in a collision.
- **Do not use any accessories on seat belts.** Devices claiming to improve occupant comfort or reposition the seat belt can reduce the protection provided by the seat belt and increase the chance of serious injury in a crash.
- **Passengers should not place hard or sharp objects between themselves and the air bags.** Carrying hard or sharp objects on your lap or in your mouth can result in injuries if an air bag inflates.

- **Keep occupants away from the air bag covers.** All occupants should sit upright, fully back in their seats with their seat belts on and their feet on the floor. If occupants are too close to the air bag covers, they could be injured if the air bags inflate.
- **Do not attach or place objects on or near the air bag covers.** Any object attached to or placed on the front or side impact air bag covers could interfere with the proper operation of the air bags.
- **Do not modify the front seats.** Modification of the front seats could interfere with the operation of the supplemental restraint system sensing components or side impact air bags.
- **Do not place items under the front seats.** Placing items under the front seats could interfere with the operation of the supplemental restraint system sensing components and wiring harnesses.
- **Never hold an infant or child on your lap.** The infant or child could be seriously injured or killed in the event of a crash. All infants and children should be properly restrained in appropriate child safety seats or seat belts in the rear seat.



WARNING

- **Sitting improperly or out of position can cause occupants to be shifted too close to a deploying air bag, strike the interior structure or be thrown from the vehicle resulting in serious injury or death.**

- **Always sit upright with the seat-back in an upright position, centered on the seat cushion with your seat belt on, legs comfortably extended and your feet on the floor.**

Adding equipment to or modifying your air bag-equipped vehicle

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

Air bag warning label



Air bag warning labels are attached to alert the driver and passengers of potential risks of the air bag system. Be sure to read all of the information about the air bags that are installed on your vehicle in this Owner's Manual.

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ACCESSING YOUR VEHICLE

Remote key (if equipped)



Your HYUNDAI uses a remote key, which you can use to lock or unlock a door (and tailgate) and even start the engine.

1. Door Lock
2. Door Unlock
3. Tailgate Unlock

Locking

To lock :

1. Close all doors, engine hood and tailgate.
2. Press the Door Lock button (1) on the remote key.
3. The doors will lock. The hazard warning lights will blink once.
4. Make sure the doors are locked by checking the position of the door lock button inside the vehicle.



WARNING

Do not leave the keys in your vehicle with unsupervised children. Unattended children could place the key in the ignition switch and may operate power windows or other controls, or even make the vehicle move, which could result in serious injury or death.

Unlocking

To unlock:

1. Press the Door Unlock button (2) on the remote key.
2. The doors will unlock. The hazard warning lights will blink two times.



Information

After unlocking the doors, the doors will lock automatically after 30 seconds unless a door is opened.

Tailgate unlocking

To unlock:

1. Press the Tailgate Unlock button (3) on the remote key for more than one second.
2. The hazard warning lights will blink two times. Once the tailgate is opened and then closed, the tailgate will lock automatically.



Information

- After unlocking the tailgate, the tailgate will lock automatically.
- The word "HOLD" is written on the button to inform you that you must press and hold the button for more than one second.

Start-up

For detailed information refer to “Key Ignition Switch” in chapter 5.

NOTICE

To prevent damaging the remote key:

- Keep the remote key away from water or any liquid and fire. If the inside of the remote key gets damp (due to drinks or moisture), or is heated, internal circuit may malfunction, excluding the car from the warranty.
- Avoid dropping or throwing the remote key.
- Protect the remote key from extreme temperatures.

Mechanical key

■ Type A



■ Type B



If the remote key does not operate normally, you can lock or unlock the door by using the mechanical key.

Type B

To unfold the key, press the release button then the key will unfold automatically.

To fold the key, fold the key manually while pressing the release button.

NOTICE

Do not fold the key without pressing the release button. This may damage the key.

Remote key precautions

The remote key will not work if any of the following occur:

- The key is in the ignition switch.
- You exceed the operating distance limit (about 30 m [90 feet]).
- The remote key battery is weak.
- Other vehicles or objects may be blocking the signal.
- The weather is extremely cold.
- The remote key is close to a radio transmitter such as a radio station or an airport which can interfere with normal operation of the remote key.

When the remote key does not work correctly, open and close the door with the mechanical key. If you have a problem with the remote key, it is recommended that you contact an authorized HYUNDAI dealer.

If the remote key is in close proximity to your mobile phone, the signal could be blocked by your mobile phones normal operational signals. This is especially important when the phone is active such as making and receiving calls, text messaging, and/or sending/receiving emails. Avoid placing the remote key and your mobile phone in the same pants or jacket pocket and always try to maintain an adequate distance between the two devices.

Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If the keyless entry system is inoperative due to changes or modifications not expressly approved by the party responsible for compliance, it will not be covered by your manufacturer's vehicle warranty.

NOTICE

Keep the remote key away from electromagnetic materials that blocks electromagnetic waves to the key surface.

Battery replacement

If the remote key is not working properly, try replacing the battery with a new one.



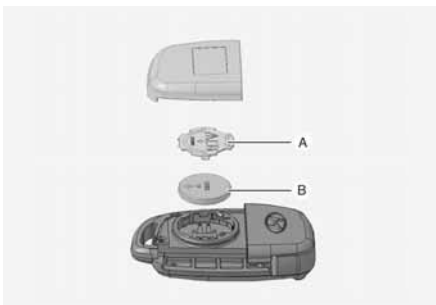
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Type A

Battery Type: CR2032

To replace the battery:

1. Insert a slim tool into the slot and gently pry open the cover.
2. Remove the old battery and insert the new battery. Make sure the battery position is correct.
3. Reinstall the rear cover of the remote key.



Type B

Battery Type: CR2032 To replace the battery:

1. Insert a slim tool into the slot and gently pry open the cover.
2. Using a screw driver remove the battery cover (A).
3. Remove the old battery (B) and insert a new battery. Make sure the battery position is correct. An improperly positioned battery may discharge the battery, causing remote key failure.
4. Reinstall the battery cover and key cover in the reverse order of removal.

If you suspect your remote key might have sustained some damage, or you feel your remote key is not working correctly, it is recommended that you contact an authorized HYUNDAI dealer.



WARNING

This product contains a button battery. If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours. Keep batteries out of reach of children. If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.



Information



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

Smart key (if equipped)



Your HYUNDAI uses a Smart Key, which you can use to lock or unlock a door (and tailgate) and even start the engine.

1. Door Lo
2. Door Unlo
3. Tailgate Unlo
4. Remote start (if equippe)

Locking



To lock :

1. Close all doors, engine hood and tailgate.
2. Either press the door handle button or press the Door Lock button (1) on the smart key.
3. The hazard warning lights will blink once.
4. Make sure the doors are locked by checking the position of the door lock button inside the vehicle.

i Information

The door handle button will only operate when the smart key is within 0.7~1 m (28~40 in.) from the outside door handle.

Even though you press the outside door handle button, the doors will not lock and the chime will sound for three seconds if any of the following occur:

- The Smart Key is in the vehicle.
- The Engine Start/Stop button is in ACC or ON position.
- Any door except the tailgate is open.

! WARNING

Do not leave the Smart Key in your vehicle with unsupervised children. Unattended children could press the Engine Start/ Stop button and may operate power windows or other controls, or even make the vehicle move, which could result in serious injury or death.

Unlocking



To unlock:

1. Carry the Smart Key.
2. Either press the door handle button or press the Door Unlock button (2) on the smart key.
3. The doors will unlock. The hazard warning lights will blink two times.

i Information

- **The door handle button will only operate when the smart key is within 1 m (40 in.) from the outside door handle. Other people can also open the doors without the smart key in possession.**
- **After unlocking the doors, the doors will lock automatically after 30 seconds unless a door is opened.**

Tailgate unlocking

To unlock:

1. Carry the smart key.
2. Either press the tailgate handle button or press the Tailgate Unlock button (3) on the smart key for more than one second.
3. The hazard warning lights will blink two times.

Once the tailgate is opened and then closed, the tailgate will lock automatically.

i Information

After unlocking the tailgate, the tailgate will lock automatically after 30 seconds unless the tailgate is opened.

Remote start (if equipped)

You can start the engine and turn on the climate system by pressing the remote start button (4) outside the vehicle.

To start engine remotely:

1. Press the door lock button (1), and then the hazard warning lights blink once to alert you.
2. Press the remote start button (4) for more than 2 seconds to start engine within 4 seconds after pressing the door lock button (1).
3. While remote starting, the hazard warning lights blink. If you want to stop the engine, press the remote start button (4) again.

Start-up

You can start the engine without inserting the key. For detailed information refer to the Engine Start/Stop button in chapter 5.

NOTICE

To prevent damaging the smart key:

- Keep the smart key away from water or any liquid and fire. If the inside of the smart key gets damp (due to drinks or moisture), or is heated, internal circuit may malfunction, excluding the car from the warranty.
- Avoid dropping or throwing the smart key.
- Protect the smart key from extreme temperatures.

NOTICE

Always have the smart key with you when leaving the vehicle. If the smart key is left near the vehicle, the vehicle battery may be discharged.

Mechanical key

If the Smart Key does not operate normally, you can lock or unlock the door by using the mechanical key.



Press and hold the release button (1) and remove the mechanical key (2). Insert the mechanical key into the key hole on the door.

To reinstall the mechanical key, put the key into the hole and push it until a click sound is heard.

Loss of a smart key

A maximum of two smart keys can be registered to a single vehicle. If you happen to lose your smart key, it is recommended that you should immediately take the vehicle and remaining key to your authorized HYUNDAI dealer or tow the vehicle, if necessary.

Smart key precautions

The smart key will not work if any of the following occurs:

- The smart key is close to a radio transmitter such as a radio station, military area, police station, government offices, broadcasting stations, transmission towers, port or an airport which can interfere with normal operation of the smart key.
- The smart key is near a mobile two way radio system or a cellular phone.
- The smart key is close to a metal product or coins
- Another vehicle's smart key is being operated close to your vehicle.
- When you connect an external device to the multi-purpose socket or USB port and place it near the smart key, the smart key may not be recognized/work in some areas of the vehicle. In this case, try moving the smart key to another location to start the engine or press the start button directly with the smart key to start the engine.

In the following situations, the frequency band from the smart key may be mixed with a different frequency, which may cause smart key malfunction (engine operation, door lock function, etc.) or the working distance of smart key may change.

- The smart key is placed near the electronic systems (woofer, cellular phone, portable wired/wireless charger, electric heating device, electronic power bank, e-cigarettes, etc.)

When the smart key does not work correctly, open and close the door with the mechanical key. If you have a problem with the smart key, it is recommended that you contact an authorized HYUNDAI dealer.

If the smart key is in close proximity to your mobile phone, the signal could be blocked by your mobile phones normal operational signals. This is especially important when the phone is active such as making and receiving calls, text messaging, and/or sending/receiving emails. Avoid placing the smart key and your mobile phone in the same pants or jacket pocket and always try to maintain an adequate distance between the two devices.

Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If the keyless entry system is inoperative due to changes or modifications not expressly approved by the party responsible for compliance, it will not be covered by your manufacturer's vehicle warranty.

NOTICE

Keep the smart key away from electromagnetic materials that blocks electromagnetic waves to the key surface.

Battery replacement



If the Smart Key is not working properly, try replacing the battery with a new one.

Battery Type: CR2032

To replace the battery:

1. Pry open the rear cover of the smart key.
2. Remove the old battery and insert the new battery. Make sure the battery position is correct.
3. Reinstall the rear cover of the smart key.

If you suspect your smart key might have sustained some damage, or you feel your smart key is not working correctly, it is recommended that you contact an authorized HYUNDAI dealer.

WARNING

This product contains a button battery. If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours. Keep batteries out of reach of children. If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

Information



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

Immobilizer system

The immobilizer system protects your vehicle from theft. If an improperly coded key (or other device) is used, the engine's fuel system is disabled.

When the ignition switch is placed in the ON position, the immobilizer system indicator should come on briefly, then go off. If the indicator starts to blink, the system does not recognize the coding of the key.

Place the ignition switch to the LOCK/OFF position, then place the ignition switch to the ON position again.

The system may not recognize your key's coding if another immobilizer key or other metal object (For example, key chain) is near the key. The engine may not start because the metal may interrupt the transponder signal from transmitting normally.

If the system repeatedly does not recognize the coding of the key, it is recommended that you contact your HYUNDAI dealer.

Do not attempt to alter this system or add other devices to it. Electrical problems could result that may make your vehicle inoperable.

Disclaimer:

The system is designed in such a way that it makes vehicle theft difficult if its circuit and battery connection is uninterrupted.

WARNING

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

NOTICE

The transponder in your key is an important part of the immobilizer system. It is designed to give years of trouble-free service, however you should avoid exposure to moisture, static electricity and rough handling. Immobilizer system malfunction could occur.

Disclaimer:

The system is designed in such a way that it makes vehicle theft difficult if its circuit and battery connection is uninterrupted.

Manual Transmission (M/T) Remote start function (if equipped)

Remote Engine Start allows you to start your vehicle engine remotely from your convenient place by Mobile (Blue Link App) or Fob key with Remote Start Button.

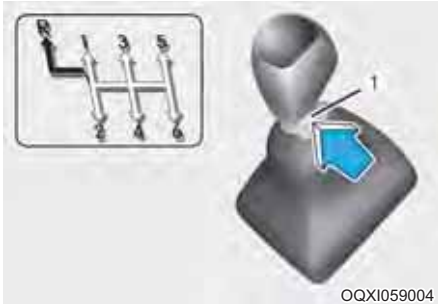
The following conditions must be met for a vehicle to start remotely:

- All the vehicle doors including tail-gate and hood must be closed and Locked.



[A] : 5 notches, [B] : 0 notch

- Verify that the parking brake lever should be pulled above 5 notches, Notch can be detected as the click sound when it is operating.



- Gear shift lever must be in 'N' position.
- The vehicle should be parked on a flat surface.
- Smart Key (FOB) should not be placed inside the vehicle.

Remote Engine Start will not operate:

1. If the gear position is in other than 'N'
2. If the parking brake position is less than the 5th notch condition
3. If the vehicle is parked on a hill or an inclination road(not on flat area)
4. If the vehicle battery is low.



CAUTION

For remote start operation in Manual Transmission, the vehicle must be parked on a flat surface.

Door lock/unlock sound

When a user steps out of the car, all doors are closed and then the user tries to lock or unlock the car with the remote key or smart key, sound occurs along with flashing.

- Door Lock beep sound : 1time
- Door Unlock beep sound : 2times

Lock/Unlock Sound Function Disable / Enable:

The user can disable or enable the lock/unlock sound using the remote key or smart key.

- Default condition : Sound is Enabled (ON)
 - Sound Disable : User must press both lock and unlock buttons in the remote key or smart key together for at least 4seconds to deactivate the sound (from "ON → OFF").
 - Sound Enable : User must press both lock and unlock buttons in the remote key or smart key together for at least 4seconds to activate Sound (from " OFF → ON").
- For a successful Activation/De-activation of Sound, Hazard warning lights will blink 4 times.

DOOR LOCKS

Operating door locks from outside the vehicle

Mechanical key



Turn the key toward the rear of the vehicle to unlock and toward the front of the vehicle to lock.

If you lock/unlock the driver's door with a key, all vehicle doors will lock/unlock automatically.

(If equipped with the central door lock system)

Once the doors are unlocked, they may be opened by pulling the door handle.

When closing the door, push the door by hand. Make sure that doors are closed securely.

Remote key



To lock the doors, press the Door Lock button (1) on the remote key.

To unlock the doors, press the Door Unlock button (2) on the remote key.

Once the doors are unlocked, they may be opened by pulling the door handle.

When closing the door, push the door by hand. Make sure that doors are closed securely.

i Information

- **In cold and wet climates, door lock and door mechanisms may not work properly due to freezing conditions.**
- **If the door is locked/unlocked multiple times in rapid succession with either the vehicle key or door lock switch, the system may stop operating temporarily in order to protect the circuit and prevent damage to system components.**

Smart key



1. Door lock
2. Door unlock

To lock the doors, press the button on the outside door handle while carrying the smart key with you or press the door lock button on the smart key.

To unlock the doors, press the button on the outside door handle while carrying the smart key with you or press the door unlock button on the smart key.

Once the doors are unlocked, they may be opened by pulling the door handle.

When closing the door, push the door by hand. Make sure that doors are closed securely.

i Information

- In cold and wet climates, door lock and door mechanisms may not work properly due to freezing conditions.
- If the door is locked/unlocked multiple times in rapid succession with either the vehicle key or door lock switch, the system may stop operating temporarily in order to protect the circuit and prevent damage to system components.

Operating door locks from inside the vehicle

With the door lock button



- To unlock a door, push the door lock button (1) to the “Unlock” position.
- To lock a door, push the door lock button (1) to the “Lock” position.
- To open a door, pull the door handle (2) outward.

- If the inner door handle of the driver's door is pulled when the door lock button is in the lock position, the button is unlocked and door opens.
- Front doors cannot be locked if the key is in the ignition switch and any front door is open.
- Doors cannot be locked if the smart key is in the vehicle and any door is open.

i Information

If a power door lock ever fails to function while you are in the vehicle try one or more of the following techniques to exit:

Operate the door unlock feature repeatedly (both electronic and manual) while simultaneously pulling on the door handle.

Operate the other door locks and handles, front and rear.

Lower a front window and use the mechanical key to unlock the door from outside.

With the central door lock/unlock switch



When pressing the (🔒) portion (1) of the switch, all vehicle doors will lock.

- If the key is in the ignition switch and any door is opened, the doors will not lock even though the lock button (1) of the central door lock switch is pressed.
- If the smart key is in the vehicle and any door is opened, the doors will not lock even though the lock button (1) of the central door lock switch is pressed.

When pressing the (🔓) portion (2) of the switch, all vehicle doors will unlock.

⚠ WARNING

- **The doors should always be fully closed and locked while the vehicle is in motion. If the doors are unlocked, the risk of being thrown from the vehicle in a crash is increased.**
- **Do not pull the inner door handle of the driver's or passenger's door while the vehicle is moving.**

 **WARNING**

Do not leave the elderly, children or animals unattended in your vehicle. An enclosed vehicle can become extremely hot, causing death or serious injury to the elderly, unattended children or animals who cannot escape from the vehicle. Children might operate features of the vehicle that could injure them, or they could encounter other harm, possibly from someone gaining entry to the vehicle.

 **WARNING**

Always secure your vehicle

Leaving your vehicle unlocked increases the potential risk to you or others from someone hiding in your vehicle.

To secure your vehicle, while depressing the brake, move the shift lever to the P (Park) position (for Dual clutch transmission vehicle) or first gear or R (Reverse) position (for Manual transmission vehicle), engage the parking brake, and place the ignition switch in the LOCK/OFF position, close all windows, lock all doors, and always take the key with you.

 **WARNING**

Opening a door when something is approaching may cause damage or injury. Be careful when opening doors and watch for vehicles, motorcycles, bicycles or pedestrians approaching the vehicle in the path of the door.

 **WARNING**

If you stay in the vehicle for a long time while the weather is very hot or cold, there are risks of injuries or danger to life. Do not lock the vehicle from the outside when someone is in the vehicle.

Auto door lock/unlock features

Impact sensing door unlock system

All doors will be automatically unlocked when an impact causes the air bags to deploy.

Speed sensing door lock system

All doors will be automatically locked when vehicle speed exceeds 15 km/h (9 mph).

Child-protector rear door locks



The child safety lock is provided to help prevent children seated in the rear from accidentally opening the rear doors. The rear door safety locks should be used whenever children are in the vehicle.

The child safety lock is located on the edge of each rear door. When the child safety lock is in the lock position (🔒), the rear door will not open if the inner door handle is pulled.

To lock the child safety lock, insert a key (or screwdriver) into the hole (1) and turn it to the lock (🔒) position.

To allow a rear door to be opened from inside the vehicle, unlock the child safety lock.

WARNING

If children accidentally open the rear doors while the vehicle is in motion, they could fall out of the vehicle. The rear door safety locks should always be used whenever children are in the vehicle.

THEFT-ALARM SYSTEM (IF EQUIPPED)

This system helps to protect your vehicle and valuables. The horn will sound and the hazard warning lights will blink continuously if any of the following occurs:

- A door is opened without using the remote key or smart key.
- The tailgate is opened without using the remote key or smart key.
- The engine hood is opened.

The alarm continues for 30 seconds, then the system resets. To turn off the alarm, unlock the doors with the remote key or smart key.

The Theft Alarm System automatically sets 30 seconds after you lock the doors and the tailgate. For the system to activate, you must lock the doors and the tailgate from outside the vehicle with the remote key or smart key or by pressing the button on the outside of the door handles with the smart key in your possession.

The hazard warning lights will blink and the chime will sound once to indicate the system is armed.

Once the security system is set, opening any door, the tailgate, or the hood without using the remote key or smart key will cause the alarm to activate.

The Theft Alarm System will not set if the hood, the tailgate, or any door is not fully closed. If the system will not set, check the hood, the tailgate, or the doors are fully closed.

Do not attempt to alter this system or add other devices to it.

Information

- **Do not lock the doors until all passengers have left the vehicle. If the remaining passenger leaves the vehicle when the system is armed, the alarm will be activated.**
- **If the vehicle is not disarmed with the remote key or smart key, open the doors by using the mechanical key and place the ignition switch in the ON position (for remote key) or start the engine (for smart key) and wait for 30 seconds.**
- **When the system is disarmed but a door or tailgate is not opened within 30 seconds, the system will be re-armed.**

Disclaimer:

The system is designed in such a way that it makes vehicle theft difficult if its circuit and battery connection is uninterrupted.

TAILGATE

Opening the tailgate



- The tailgate is locked or unlocked when all doors are locked or unlocked with the key, remote key, smart key or central door lock/ unlock switch.
- If unlocked, the tailgate can be opened by pressing the handle and pulling it up.

i Information

In cold and wet climates, door lock and door mechanisms may not work properly due to freezing conditions.

NOTICE

Make certain that you close the tailgate before driving your vehicle. Possible damage may occur to the tailgate lift cylinders and attaching hardware if the tailgate is not closed prior to driving.

Closing the tailgate

To close the tailgate, lower and push down the tailgate firmly. Make sure that the tailgate is securely latched.

⚠ WARNING

Always keep the tailgate lid completely closed while the vehicle is in motion. If it is left open or ajar, poisonous exhaust gases containing carbon monoxide (CO) may enter the vehicle and serious illness or death may result.

⚠ WARNING

Rear cargo area

Occupants should never ride in the rear cargo area where no restraints are available. To avoid injury in the event of an accident or sudden stops, occupants should always be properly restrained.

⚠ WARNING



Do not hold the part (gas lifter) that supports the tailgate. Be aware that the deformation of the part may cause vehicle damage and a risk of safety accident.

Emergency tailgate safety release



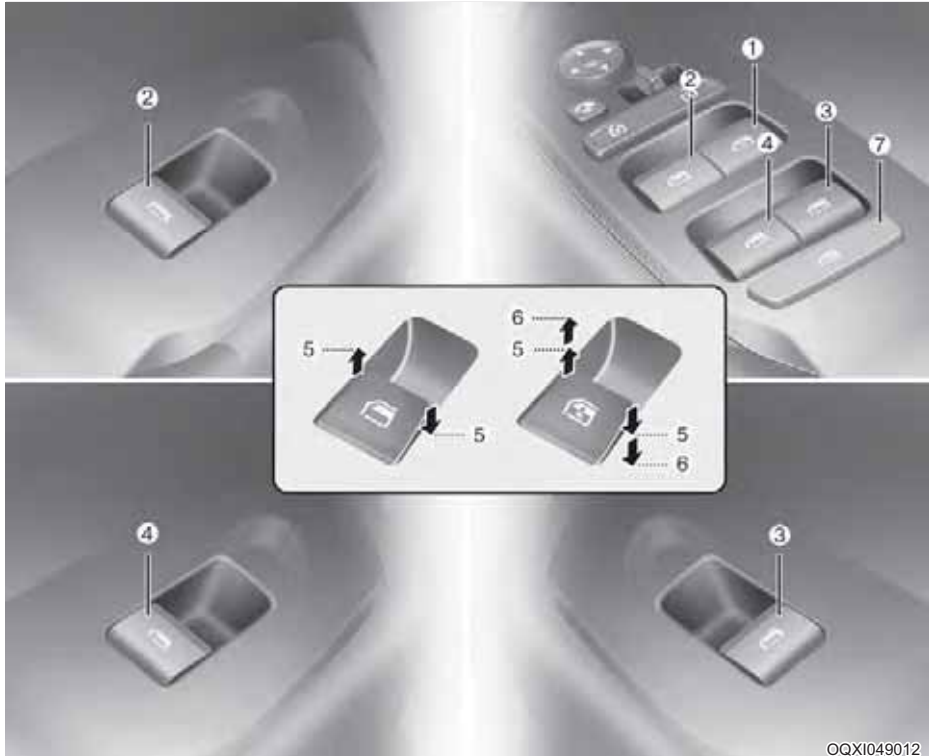
Your vehicle is equipped with the emergency tailgate safety release lever located on the bottom of the tailgate. When someone is inadvertently locked in the luggage compartment, the tailgate can be opened by doing as follows:

1. Input the mechanical key into the hole.
2. Push the mechanical key to the right.
3. Push up the tailgate.

WARNING

- For emergencies, be fully aware of the location of the emergency tailgate safety release lever in the vehicle and how to open the tailgate if you are accidentally locked in the luggage compartment.
- No one should be allowed to occupy the luggage compartment of the vehicle at any time. The luggage compartment is a very dangerous location in the event of a crash.
- Use the release lever for emergencies only. Use with extreme caution, especially while the vehicle is in motion.

WINDOWS



OQXI049012

- (1) Driver's door power window switch
- (2) Front passenger's door power window switch
- (3) Rear door power window switch (Right)*
- (4) Rear door power window switch (Left)*
- (5) Window opening and closing
- (6) Automatic power window*
- (7) Power window lock switch*

* : if equipped

The ignition switch must be in the ON position to be able to raise or lower the windows. Each door has a Power Window switch to control that door's window. The driver has a Power Window Lock switch which can block the operation of rear windows. The power windows will operate for approximately 3 minutes after the ignition switch is placed in the ACC or LOCK/OFF position. However, if the front doors are opened, the Power Windows cannot be operated even within the 3 minutes period.

WARNING

To avoid serious injury or death, do not extend your head, arms or body outside the windows while driving.

Information

- In cold and wet climates, power windows may not work properly due to freezing conditions.
- While driving with the rear windows down or with the sunroof (if equipped) opened (or partially opened), your vehicle may demonstrate a wind buffeting or pulsation noise. This noise is normal and can be reduced or eliminated by taking the following actions. If the noise occurs with one or both of the rear windows down, partially lower both front windows approximately 2.5 cm (one inch).

If you experience the noise with the sunroof open, slightly close the sunroof.

Window opening and closing



To open or close a window, press down or pull up the front portion of the corresponding switch to the first detent position (5).

Auto up/down window (if equipped)

Pressing or pulling up the power window switch momentarily to the second detent position (6) completely lowers or lifts the window even when the switch is released. To stop the window at the desired position while the window is in operation, pull up or press down and release the switch.

WARNING

The automatic reverse feature doesn't activate while resetting power window system. Make sure body parts or other objects are safely out of the way before closing the windows to avoid injuries or vehicle damage.

To reset the power windows

If the power windows do not operate normally, the automatic power window system must be reset as follows:

1. Place the ignition switch to the ON position.
2. Close the window and continue pulling up on the power window switch for at least 1 second.

If the power windows do not operate properly after resetting, it is recommended that the system be checked by an authorized HYUNDAI dealer.

WARNING

The automatic reverse feature doesn't activate while resetting power window system. Make sure body parts or other objects are safely out of the way before closing the windows to avoid injuries or vehicle damage.

Automatic reverse (if equipped)



If a window senses any obstacle while it is closing automatically, it will stop and lower approximately 30 cm (12 in.) to allow the object to be cleared.

If the window detects the resistance while the power window switch is pulled up continuously, the window will stop upward movement then lower approximately 2.5 cm (1 in.).

If the power window switch is pulled up continuously again within 5 seconds after the window is lowered by the automatic window reverse feature, the automatic window reverse will not operate.

Information

The automatic reverse feature is only active when the “auto up” feature is used by fully pulling up the switch to the second detent.

 **WARNING**

Make sure heads, other body parts or other objects are safely out of the way before closing the windows to avoid injuries or vehicle damage. Objects less than 4 mm (0.16 in.) in diameter caught between the window glass and the upper window channel may not be detected by the automatic reverse window and the window will not stop and reverse direction.

NOTICE

Do not install any accessories on the windows. The automatic reverse feature may not operate.

***Power window lock switch
(if equipped)***



The driver can disable the power window switches on the rear passengers' doors by pressing the power window lock switch.

When the power window lock switch is pressed:

- The driver's master control can operate all the power windows.
- The front passenger's control can operate the front passenger's power window.
- The rear passenger's control cannot operate the rear passengers' power window.

NOTICE

- **To prevent possible damage to the power window system, do not open or close two windows or more at the same time. This will also ensure the longevity of the fuse.**
- **Never try to operate the main switch on the driver's door and the individual door window switch in opposite directions at the same time. If this is done, the window will stop and cannot be opened or closed.**

⚠ WARNING

- **NEVER** leave the keys in your vehicle with unsupervised children, when the engine is running.
- **NEVER** leave any child unattended in the vehicle. Even very young children may inadvertently cause the vehicle to move, entangle themselves in the windows, or otherwise injure themselves or others.
- **Always double check to make sure all arms, hands, head and other obstructions are safely out of the way before closing a window.**
- **Do not allow children to play with the power windows. Keep the driver's door power window lock switch in the LOCK position (pressed). Serious injury can result from unintentional window operation by the child.**
- **Do not extend your head, arms or body outside the windows while driving.**

Manual windows (if equipped)

To raise or lower the window, turn the window regulator handle clockwise or counterclockwise in right side. And left side is opposite direction.

⚠ WARNING

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

HOOD

Opening the hood



1. Make sure the shift lever is in P (Park, for Dual clutch transmission vehicle) or first gear or R (Reverse, for Manual transmission vehicle) and set the parking brake.
2. Pull the release lever to unlatch the hood. The hood should pop open slightly.



3. Go to the front of the vehicle, raise the hood slightly, push the secondary latch up (1) inside of the hood center and lift the hood (2).



4. Pull out the support rod.
5. Hold the hood opened with the support rod.

WARNING

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

Closing the hood

1. Before closing the hood, check the following:
 - All filler caps in engine compartment must be correctly installed.
 - Gloves, rags or any other combustible material must be removed from the engine compartment.
2. Return the support rod to its clip to prevent it from rattling.
3. Lower the hood halfway (lifted approximately 30cm from the closed position) and push down to securely lock in place. Then double check to be sure the hood is secure.

 **WARNING**

Always double check to be sure that the hood is firmly latched before driving away. Check there is no hood open warning light or message displayed on the instrument cluster. Driving with the hood opened may cause a total loss of visibility, which might result in an accident.

 **WARNING**

- Before closing the hood, ensure that all obstructions are removed from the hood opening. Closing the hood with an obstruction present in the hood opening may result in property damage or severe personal injury.
- Do not leave gloves, rags or any other combustible material in the engine compartment. Doing so may cause a heat-induced fire.
- Do not move the vehicle with the hood raised. The view will be blocked and the hood could fall or be damaged.

SUNROOF (IF EQUIPPED)

If your vehicle is equipped with a sunroof, you can slide or tilt your sunroof with the sunroof control switch located on the overhead console.



The sunroof can only be operated when the ignition switch or Engine Start/Stop button is in the ON or START position.

The sunroof can be operated for approximately 3 minutes after the ignition switch or Engine Start/Stop button is in the ACC or LOCK/OFF position.

WARNING

- Do not adjust the sunroof or sunshade while driving. This could result in loss of control and an accident that may cause injury, or property damage.
- Do not leave the engine running and the key in your vehicle with unsupervised children. Unattended children could operate the sunroof, which could result in serious injury.
- Do not sit on the top of the vehicle. It may cause injury or vehicle damage.

NOTICE

Do not operate the sunroof when roof bars are installed on the vehicle or when there is luggage on the roof.

Sunshade



Use the sunshade to block direct sunlight coming through the sunroof glass.

Open or close the sunshade by hand.

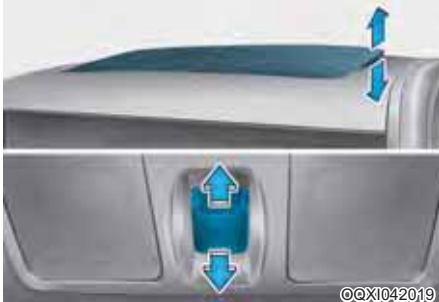
Information

The sunshade opens automatically when the sunroof glass is opened, but the sunshade does not close automatically when the sunroof glass is closed. Also, the sunshade cannot be closed when the sunroof glass is opened.

NOTICE

Do not pull the sunshade up or down, or apply excessive force as such action may damage the sunshade or cause it to malfunction.

Tilt open/close



- Push the sunroof switch upward, the sunroof glass tilts open.
- Push the sunroof switch forward when the sunroof glass is tilt opened, the sunroof glass closes.

The sunroof glass tilts open or closes while the switch is pushed.

i Information

The sunroof glass cannot slide open and tilt open at the same time. You cannot tilt the sunroof glass open while the sunroof glass is slide open. Also, you cannot slide the sunroof glass open while the sunroof is tilt open. Slide open or tilt open the sunroof glass when the sunroof glass is completely closed.

Slide open/close

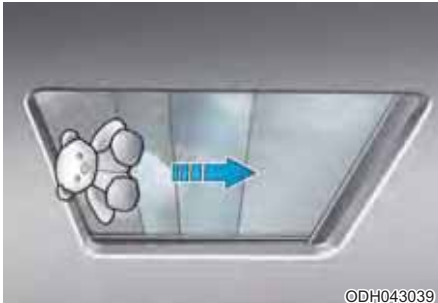


- Push the sunroof switch rearward, the sunshade and sunroof glass slide open.
- Push the sunroof switch forward, only the sunroof glass closes.
- Push the sunroof switch forward or rearward to the second detent position, the sunroof glass operates automatically (auto slide feature). To stop the sunroof movement at any point, push the sunroof switch in any direction.
- The sunroof glass stops halfway (first detent position) before it is fully opened. To fully open the sunroof glass, push the sunroof switch rearward once more. At this time, the sunroof glass opens only while the switch is pushed.

i Information

To reduce wind noise while driving, we suggest you to drive at recommended position (first detent position) before the maximum slide open position.

Automatic reversal



If the sunroof glass senses any obstacle while it is closing automatically, it will reverse direction then stop at a certain position.

The auto reverse function may not work if an object thin or soft is caught between the sliding sunroof glass and sunroof sash.



WARNING

- **Make sure head, arms or any other body parts or objects are out of the way before operating the sunroof. Body parts or objects may get caught causing injuries or vehicle damage.**
- **Never deliberately use your body parts to test the automatic reversal function. The sunroof glass may reverse direction, but there is a risk of injury.**

NOTICE

- **Do not continue to push the sunroof switch after the sunroof is fully opened, closed, or tilted. Damage to the sunroof motor could occur.**
- **Continuous operations such as slide open/close, tilt open/close, etc. may cause the motor or sunroof system to malfunction.**
- **Regularly remove any accumulated dust on the sunroof rail.**
- **Dust accumulated between the sunroof and roof panel can make noise. Open the sunroof and remove dust regularly using a clean cloth.**
- **Do not try to open the sunroof when the temperature is below freezing or when the sunroof is covered with snow or ice. The sunroof may not work properly and may break if opened by force.**
- **Do not open or drive with the sunroof glass open immediately after rain or washing the vehicle. Water may wet the interior of the vehicle.**
- **Do not extend any luggage outside the sunroof while driving. Vehicle damage may occur if the vehicle suddenly stops.**



WARNING

Do not extend your head, arms, body parts or objects outside the sunroof while driving. Injuries may occur if the vehicle suddenly stops.

Resetting the sunroof



In some circumstances resetting the sunroof operation may need to be performed. Some instances where resetting the sunroof may be required include:

- When the 12-volt battery is either disconnected or discharged
- When the sunroof fuse is replaced
- If the sunroof one-touch AUTO OPEN/CLOSE operation is not functioning properly

Sunroof resetting procedure:

1. It is recommended to perform the reset procedure with the vehicle engine running. Start the vehicle in P (Park).
2. Make sure the sunroof glass is in the fully closed position. If the sunroof glass is open, push the switch forward until the sunroof glass is fully closed.
3. Release the switch when the sunroof glass is fully closed.
4. Push the switch forward until the sunroof glass moves slightly. Then release the switch.

5. Once again push and hold the sunroof switch forward until the sunroof glass slides open and close. Do not release the switch until the operation is completed.

If you release the switch during operation, start the procedure again from step 2.

i Information

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

Sunroof open warning



If the driver turns off the engine when the sunroof is not fully closed, the warning chime will sound for several seconds and the sunroof open warning will appear on the cluster LCD display.

Close the sunroof securely when leaving your vehicle.



CAUTION

Make sure the sunroof is closed fully when leaving your vehicle.

If the sunroof is left open, rain or snow may wet the interior of the vehicle. Also, leaving the sunroof open when the vehicle is unattended may invite theft.

FUEL FILLER DOOR

Opening the fuel filler door



The fuel filler door must be opened from inside the vehicle by pulling up the fuel filler door opener.

1. Stop the engine.
2. Pull the fuel filler door opener up.



3. Pull the fuel filler door out (1) to fully open.
4. To remove the fuel tank cap (2), turn it counterclockwise. You may hear a hissing noise as the pressure inside the tank equalizes.
5. Place the cap on the fuel filler door.

i Information

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

Closing the fuel filler door

1. To install the fuel tank cap (2), turn it clockwise until it “clicks” once. This indicates that the cap is securely tightened.
2. Close the fuel filler door (1) and push it lightly and make sure that it is securely closed.

! WARNING

Petrol is highly flammable and explosive. Failure to follow these guidelines may result in SERIOUS INJURY or DEATH:

- Read and follow all warnings posted at the gas station.
- Before refueling, note the location of the Emergency Petrol Shut-Off, if available, at the gas station.
- Before touching the fuel nozzle, you should eliminate the potential build-up of static electricity by touching a metal part of the vehicle, a safe distance away from the fuel filler neck, nozzle, or other gas source, with your bare hand.

- Do not use cellular phones while refueling. Electric current and/or electronic interference from cellular phones can potentially ignite fuel vapors and cause a fire.
- Do not get back into a vehicle once you have begun refueling. You can generate a build-up of static electricity by touching, rubbing or sliding against any item or fabric capable of producing static electricity. Static electricity discharge can ignite fuel vapors causing a fire.

If you must re-enter the vehicle, you should once again eliminate potentially dangerous static electricity discharge by touching a metal part of the vehicle, away from the fuel filler neck, nozzle or other petrol source, with your bare hand.
- When using an approved portable fuel container, be sure to place the container on the ground prior to refueling. Static electricity discharge from the container can ignite fuel vapors causing a fire. Once refueling has begun, contact between your bare hand and the vehicle should be maintained until the filling is complete.
- Use only approved portable plastic fuel containers designed to carry and store petrol.
- When refueling, always move the shift lever to the P (Park) position (for dual clutch transmission vehicle) or first gear or R (Reverse) position (for manual transmission vehicle), set the parking brake, and place the ignition switch to the LOCK/OFF position. Sparks produced by electrical components related to the engine can ignite fuel vapors causing a fire.
- Do not use matches or a lighter and do not smoke or leave a lit cigarette in your vehicle while at a gas station, especially during refueling.
- Do not over-fill or top-off your vehicle tank, which can cause petrol spillage.
- If a fire breaks out during refueling, leave the vicinity of the vehicle, and immediately contact the manager of the gas station and then contact the local fire department. Follow any safety instructions they provide.
- If pressurized fuel sprays out, it can cover your clothes or skin and thus subject you to the risk of fire and burns. Always remove the fuel cap carefully and slowly. If the cap is venting fuel or if you hear a hissing sound, wait until the condition stops before completely removing the cap.
- Always check that the fuel cap is installed securely to prevent fuel spillage in the event of an accident.

i Information

- Make sure to refuel your vehicle according to the “Fuel Requirements” suggested in the foreword chapter.
- Do not spill fuel on the exterior surfaces of the vehicle. Any type of fuel spilled on painted surfaces may damage the paint.

NOTICE

If the fuel filler cap requires replacement, use only a genuine HYUNDAI cap or the equivalent specified for your vehicle. An incorrect fuel filler cap can result in a serious malfunction of the fuel system or emission control system.

STEERING WHEEL

Electric power steering (EPS)

The system assists you with steering the vehicle. If the engine is off or if the power steering system becomes inoperative, the vehicle may still be steered, but it will require increased steering effort.

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

Should you notice any change in the effort required to steer during normal vehicle operation, we recommend that the system be checked by an authorized HYUNDAI dealer.

NOTICE

If the Electric Power Steering System does not operate normally, the warning light (⚠) will illuminate on the instrument cluster. The steering wheel may become difficult to control or operate. Take your vehicle to an authorized HYUNDAI dealer and have the system checked as soon as possible.

Information

The following symptoms may occur during normal vehicle operation:

- The steering effort may be high immediately after placing the ignition switch in the ON position.

This happens as the system performs the EPS system diagnostics. When the diagnostics is completed, the steering wheel will return to its normal condition.

- When the battery voltage is low, you might have to put more steering effort. However, it is a temporary condition so that it will return to normal condition after charging the battery.
- A click noise may be heard from the EPS relay after the ignition switch is placed to the ON or LOCK/OFF position.
- Motor noise may be heard when the vehicle is at stop or at a low driving speed.
- When you operate the steering wheel in low temperature, abnormal noise may occur. If temperature rises, the noise will disappear. This is a normal condition.

WARNING

Never adjust the steering wheel while driving. You may lose steering control and cause severe personal injury, death or accidents.



Pull down the lock-release lever (1) on the steering wheel column and adjust the steering wheel angle (2). Move the steering wheel, so it points toward your chest, not toward your face. Make sure you can see the instrument panel warning lights and gauges.

After adjusting, pull up the lock-release lever (3) to lock the steering wheel in place. Push the steering wheel both up and down to be certain it is locked in position. Always adjust the position of the steering wheel before driving.

Horn

■ Type A



■ Type B



To sound the horn, press the area indicated by the horn symbol on your steering wheel (see illustration). The horn will operate only when this area is pressed.

NOTICE

Do not strike the horn severely to operate it, or hit it with your fist. Do not press on the horn with a sharp-pointed object.

MIRRORS

Inside rearview mirror

Before you start driving, adjust the rearview mirror to the center on the view through the rear window.

WARNING

Make sure your line of sight is not obstructed. Do not place objects in the rear seat, cargo area, or behind the rear headrests which could interfere with your vision through the rear window.

WARNING

To prevent serious injury during an accident or deployment of the air bag, do not modify the rearview mirror and do not install a wide mirror.

WARNING

NEVER adjust the mirror while driving. This may cause loss of vehicle control resulting in an accident.

Day/night rearview mirror



■ [A] : Day, [B] :Night

Make this adjustment before you start driving and while the day/night lever is in the day position.

Pull the day/night lever toward you to reduce glare from the headlights of the vehicles behind you during night driving.

Remember that you lose some rear-view clarity in the night position.

Blue Link® center (if equipped)



For details, refer to the Blue Link® Owner's Guide, infotainment system manual.

- (1) SOS : Emergency assistance
- (2) RSA (Road Side Assistance)
 - Flat tire
 - Vehicle break down
 - Vehicle towing
 - Emergency fuel
- (3) BlueLink
 - Push maps by call center
 - General assistance

Outside rearview mirror

Your vehicle is equipped with both left-hand and right-hand outside rearview mirrors.

WARNING

Rearview mirrors

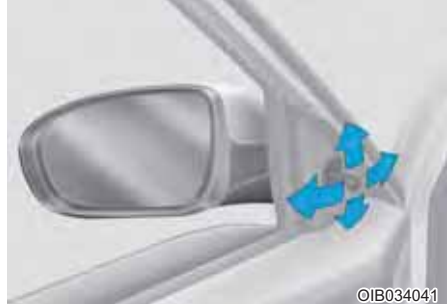
- Both right and left outside rear view mirror are convex.
Objects seen in the mirror are closer than they appear.
- Use your interior rearview mirror or turn your head and look to determine the actual distance of following vehicles when changing lanes.

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.

NOTICE

- Do not scrape ice off the mirror face; this may damage the surface of the glass.
- If the mirror is jammed with ice, do not adjust the mirror by force. Use an approved de-icer (not radiator antifreeze) spray, or a sponge or soft cloth with very warm water, or move the vehicle to a warm place and allow the ice to melt.



Manual type (if equipped)

To adjust an outside mirror, move the control lever.



Electric type (if equipped)

Adjusting the rearview mirrors:

Move the lever (1) to the L (Left) or R (Right) to select the rearview mirror you would like to adjust.

Use the mirror adjustment control to position the selected mirror up, down, left or right.

NOTICE

- The mirrors stop moving when they reach the maximum adjusting angles, but the motor continues to operate while the switch is pressed. Do not press the switch longer than necessary, the motor may be damaged.
- Do not attempt to adjust the outside rearview mirror by hand or the motor may be damaged.

Folding the outside rearview mirror



Manual type

To fold the outside rearview mirror, grasp the housing of the mirror and then fold it toward the rear of the vehicle.



Electric type (if equipped)

To fold the outside rearview mirror, press the button.

To unfold outside rearview mirror, press the button again.

If the button is pressed, the mirror will fold or unfold automatically.

NOTICE

The electric type outside rearview mirror operates even though the ignition switch is in the ACC position. However, to prevent unnecessary battery discharge, do not adjust the mirrors longer than necessary while the engine is not running.

NOTICE

Do not fold the electric type outside rearview mirror by hand. It could cause motor failure.

INSTRUMENT CLUSTER

■ 3.5 inch



■ 4.2 inch



OQXI042100/OQXI042100L

1. Speedometer
2. Fuel gauge
3. Tachometer
4. Engine coolant temperature gauge
5. Warning and indicator lights
6. LCD display (including Trip computer)

✱ The actual cluster in the vehicle may differ from the illustration.
For more details, refer to the “Gauges” in this chapter.

Instrument Cluster Control



WARNING

Never adjust the instrument cluster while driving. This could result in loss of control and lead to an accident that may cause death, serious injury, or property damage.



If the brightness reaches to the maximum or minimum level, an alarm will sound (if equipped).

Gauges

Speedometer

■ 3.5 inch



QOXI042130

■ 4.2 inch



©AX041003

The speedometer indicates the speed of the vehicle and is calibrated in kilometers per hour (km/h)

Tachometer

■ 3.5 inch



QOXI042131

□ 4.2 inch



©AX041004

The tachometer indicates the approximate number of engine revolutions per minute (RPM).

Use the tachometer to select the correct shift points and to prevent lugging and/or over-revving the engine.

NOTICE

Do not operate the engine within the tachometer's RED ZONE. This may cause severe engine damage.

Engine Coolant Temperature Gauge



This gauge shows the temperature of the engine coolant when the ignition switch is in the ON position.

NOTICE

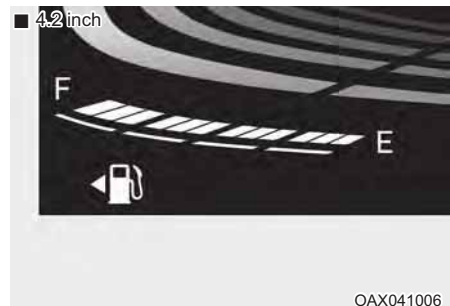
If the gauge pointer moves beyond the normal range area toward the “H” position, it indicates overheating that may damage the engine.

Do not continue driving with an overheated engine. If your vehicle overheats, refer to “If the Engine Overheats” in chapter 6.

WARNING

Never remove the radiator cap when the engine is hot. The engine coolant is under pressure and could cause severe burns. Wait until the engine is cool before adding coolant to the reservoir.

Fuel Gauge



This gauge indicates the approximate amount of fuel remaining in the fuel tank.

i Information

- The fuel tank capacity is given in chapter 8.
- The fuel gauge is supplemented by a low fuel warning light, which will illuminate when the fuel tank is nearly empty.
- On inclines or curves, the fuel gauge pointer may fluctuate or the low fuel warning light may come on earlier than usual due to the movement of fuel in the tank.

! WARNING

Fuel Gauge

Running out of fuel can expose vehicle occupants to danger.

You must stop and obtain additional fuel as soon as possible after the warning light comes on or when the gauge indicator comes close to the “E (Empty)” level.

NOTICE

Avoid driving with a very low fuel level. Running out of fuel could cause the engine to misfire damaging the catalytic converter.

Odometer

■ 3.5 inch



OBR2042014BR

■ 4.2 inch



OAX041009

The odometer indicates the total distance that the vehicle has been driven and should be used to determine when periodic maintenance should be performed.

- Odometer range : 0 ~ 1599999 kilometers or 999999 miles.

i Information

It is forbidden to alter the odometer of all vehicles with the intent to change the mileage registered on the odometer. The alteration may void your warranty coverage.

Distance to empty

■ 3.5 inch



■ 4.2 inch



i Information

- If the vehicle is not on level ground or the battery power has been interrupted, the distance to empty function may not operate correctly.
- The distance to empty may differ from the actual driving distance as it is an estimate of the available driving distance.
- The trip computer may not register additional fuel if less than 6 liters (1.6 gallons) of fuel are added to the vehicle.
- The distance to empty may vary significantly based on driving conditions, driving habits, and condition of the vehicle.

- The distance to empty is the estimated distance the vehicle can be driven with the remaining fuel.
- If the estimated distance is below 1 km (1 mi.), the trip computer will display "---" as distance to empty.

Transmission Shift Indicator

Dual clutch transmission shifter indicator

■ 3.5 inch



OBR2042019BR

■ 4.2 inch



OAX041008

This indicator displays which dual clutch transmission shift lever is selected.

- Park : P
- Reverse : R
- Neutral : N
- Drive : D
- Sports Mode : 1, 2, 3, 4, 5, 6

Manual transmission Shift Indicator (if equipped)

■ 3.5 inch



OBR2042017BR

■ 4.2 inch



OHCR046129

This indicator informs which gear is desired while driving to save fuel.

- Shifting up : ▲2, ▲3, ▲4, ▲5, ▲6
- Shifting down : ▼1, ▼2, ▼3, ▼4, ▼5

For example

- ▲3: Indicates that shifting up to the 3rd gear is desired (currently the shift lever is in the 2nd or 1st gear).
- ▼3: Indicates that shifting down to the 3rd gear is desired (currently the shift lever is in the 4th, 5th, or 6th gear).

When the system is not working properly, the indicator is not displayed.

Warning and indicator lights

i Information - Warning light

Make sure that all warning lights are **OFF** after starting the engine. If any light is still **ON**, this indicates a situation that needs attention.

Air bag Warning Light



This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It illuminates for approximately 6 seconds and then goes off.
- When there is a malfunction with the SRS.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Seat Belt Warning Light



This warning light informs the driver or front passenger that the seat belt is not fastened.

For more details, refer to the “Seat Belts” in chapter 2.

Parking Brake & Brake Fluid Warning Light



This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds
 - It remains on if the parking brake is applied.
- When the parking brake is applied.
- When the brake fluid level in the reservoir is low.
 - If the warning light illuminates with the parking brake released, it indicates the brake fluid level is low.

If the brake fluid level in the reservoir is low:

1. Drive carefully to the nearest safe location and stop your vehicle.
2. With the engine stopped, check the brake fluid level immediately and add fluid as required (For more details, refer to “Brake Fluid” in chapter 8). Then check all brake components for fluid leaks. If any leak on brake system is still found, the warning light remains on, or the brakes do not operate properly, do not drive the vehicle.

In this case, we recommend that you have the vehicle towed to an authorized HYUNDAI dealer and inspected.

Dual-diagonal braking system

Your vehicle 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 vehicle.

Also, the vehicle will not stop in as short a distance with only a portion 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 vehicle as soon as it is safe to do so.

WARNING

Parking Brake & Brake Fluid Warning Light

Driving the vehicle with a warning light ON is dangerous. If the Parking Brake & Brake Fluid Warning Light illuminates with the parking brake released, it indicates that the brake fluid level is low.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Anti-lock Brake System (ABS) Warning Light



This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the ABS (The normal braking system will still be operational without the assistance of the anti-lock brake system).

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Electric Power Steering (EPS) Warning Light



This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the EPS.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Malfunction Indicator Lamp (MIL)



This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the emission control system.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

NOTICE

- Malfunction Indicator Lamp (MIL)

Driving with the Malfunction Indicator Lamp (MIL) on may cause damage to the emission control systems which could effect drivability and/or fuel economy.

NOTICE

- Petrol Engine

If the Malfunction Indicator Lamp (MIL) illuminates, potential catalytic converter damage is possible which could result in loss of engine power.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer as soon as possible.

NOTICE

- Diesel Engine with DPF (if equipped)

When the Malfunction Indicator Lamp (MIL) blinks, it may stop blinking after driving the vehicle:

- at more than 60km/h (37 mph), or
- at more than 2nd gear with 1250 ~ 2500 engine RPM for a certain time (for about 25 minutes).

If the Malfunction Indicator Lamp (MIL) continues to blink in spite of the procedure, we recommend that you have the DPF system checked by an authorized HYUNDAI dealer.

If you continue to drive with the Malfunction Indicator Lamp (MIL) blinking for a long time, the DPF system can be damaged and fuel consumption can worsen.

NOTICE**- Diesel Engine**

If the Malfunction Indicator Lamp (MIL) blinks, some error related to the injection quantity adjustment occurs which could result in loss of engine power, combustion noise and poor emission.

In this case, we recommend that you have the engine control system inspected by an authorized HYUNDAI dealer.

Charging System Warning Light

This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It remains on until the engine is started.
- When there is a malfunction with either the alternator or electrical charging system.

If there is a malfunction with either the alternator or electrical charging system:

1. Drive carefully to the nearest safe location and stop your vehicle.
2. Turn the engine off and check the alternator drive belt for looseness or breakage.

If the belt is adjusted properly, there may be a problem in the electrical charging system.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer as soon as possible.

Engine Oil Pressure Warning Light

This warning light illuminates:

- Once you set the ignition switch or Engine Start/Stop button to the ON position.
 - It remains on until the engine is started.
- When the engine oil pressure is low.

If the engine oil pressure is low:

1. Drive carefully to the nearest safe location and stop your vehicle.
2. Turn the engine off and check the engine oil level (For more details, refer to “Engine Oil” in chapter 8). If the level is low, add oil as required.

If the warning light remains on after adding oil or if oil is not available, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer as soon as possible.

NOTICE

- Engine Oil Pressure Warning Light

- If the engine does not stop immediately after the Engine Oil Pressure Warning Light is illuminated, severe damage could result.
- If the warning light stays on while the engine is running, it indicates that there may be serious engine damage or malfunction. In this case,
 1. Stop the vehicle as soon as it is safe to do so.
 2. Turn off the engine and check the oil level. If the oil level is low, fill the engine oil to the proper level.
 3. Start the engine again. If the warning light stays on after the engine is started, turn the engine off immediately. In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Low Fuel Level Warning Light



This warning light illuminates:
When the fuel tank is nearly empty.

If the fuel tank is nearly empty, add fuel as soon as possible.

NOTICE

- Low Fuel Level

Driving with the Low Fuel Level warning light on or with the fuel level below “E (Empty)” can cause the engine to misfire and damage the catalytic converter (if equipped).

Overspeed Warning

This warning light blinks:

This to prevent you from fast driving.

When you drive the vehicle more than 80 km/h, the overspeed warning chime sounds once per 100 seconds.

When you drive the vehicle more than 120 km/h, the overspeed warning chime also sounds continuously.

Door Ajar Warning Light (for conventional cluster)



This warning light illuminates:
When a door is not close securely.

Tailgate Open Warning Light (for conventional cluster)



This warning light illuminates:
When the tailgate is not close securely.

Hood Open Warning Light (for conventional cluster)



This warning light illuminates:

- When the hood is not closed securely.

Fuel Filter Warning Light (Diesel Engine)



This warning light illuminates:

- When water has accumulated inside the fuel filter.
In this case, remove the water from the fuel filter.
For more details, refer to “Fuel Filter” in chapter 8.

NOTICE

- Fuel Filter Warning Light

- When the Fuel Filter Warning Light illuminates, engine power (vehicle speed & idle speed) may decrease.
- If you keep driving with the warning light on, engine parts (injector, common rail, high pressure fuel pump) may be damaged. If this occurs, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer as soon as possible.

Immobilizer Indicator Light (without smart key) (if equipped)



This indicator light illuminates:

When the vehicle detects the immobilizer in your key properly while the ignition switch is ON.

- At this time, you can start the engine.
- The indicator light goes off after starting the engine.

This indicator light blinks:

When there is a malfunction with the immobilizer system.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Immobilizer Indicator Light (with smart key) (if equipped)



This indicator light illuminates for up to 30 seconds:

When the vehicle detects the smart key in the vehicle properly while the Engine Start/Stop button is ACC or ON.

- At this time, you can start the engine.
- The indicator light goes off after starting the engine.

This indicator light blinks for a few seconds:

When the smart key is not in the vehicle.

- At this time, you can not start the engine.

This indicator light illuminates for 2 seconds and goes off:

When the vehicle can not detect the smart key which is in the vehicle while the Engine Start/Stop button is ON.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

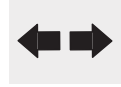
This indicator light blinks:

- When the battery of the smart key is weak.
 - At this time, you can not start the engine. However, you can start the engine if you press the Engine Start/Stop button with the smart key. (For more details, refer to “Starting the Engine” in chapter 5).

- When there is a malfunction with the immobilizer system.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Turn Signal Indicator Light



This indicator light blinks:

When you turn the turn signal light on.

If any of the following occurs, there may a malfunction with the turn signal system. In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

- The indicator light does not blink but illuminates.
- The indicator light blinks more rapidly.
- The indicator light does not illuminate at all.

High Beam Indicator Light



This indicator light illuminates:

- When the headlights are on and in the high beam position
- When the turn signal lever is pulled into the Flash-to-Pass position.

Light ON Indicator Light



This indicator light illuminates:

When the parking lights or headlights are on.

Master Warning Light (if equipped)



This indicator light illuminates :

- When the remaining mileage or time is 0 on the “Service Interval” in the cluster.
If the service interval setting is reset, the master warning light turns off.

Glow Indicator Light (Diesel Engine)



This indicator light illuminates:

When the engine is being preheated with the ignition switch or Engine Start/Stop button in the ON position.

- The engine can be started after the glow indicator light goes off.
- The illumination time varies with the engine coolant temperature, air temperature, and battery condition.

If the indicator light remains on or blinks after the engine has warmed up or while driving, there may a malfunction with the engine preheating system.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

i Information - Engine Preheating

If the engine does not start within 10 seconds after the preheating is completed, set the ignition switch or Engine Start/Stop button to the LOCK or OFF position for 10 seconds and then to the ON position in order to preheat the engine again.

**Exhaust System (GPF)
Warning Light
(for petrol engine,
if equipped)**



This warning light illuminates:

- When accumulated soot reaches a certain amount.
- When this warning light illuminates, it may turn off after driving the vehicle at more than 80 km/h (50 mph) for about 30 minutes (above 3rd gear with 1,500 ~ 4,000 engine RPM).

If this warning light blinks in spite of the procedure (at this time LCD warning message will be displayed), we recommend that you have the GPF system checked by an authorized HYUNDAI dealer.

NOTICE

If you continue to drive with the GPF warning light blinking for a long time, the GPF system can be damaged and fuel consumption can worsen.

**Exhaust System (DPF)
Warning Light
(for diesel engine,
if equipped)**



This warning light illuminates:

- When there is a malfunction with the Diesel Particulate Filter (DPF) system.

When this warning light illuminates, it may turn off after driving the vehicle:

- at more than 60 km/h (37 mph), or
- above 2nd gear with 1250 ~ 2500 engine RPM for a certain time (for about 25 minutes).

If this warning light blinks in spite of the procedure (at this time LCD warning message will be displayed), we recommend that you have the DPF system checked by an authorized HYUNDAI dealer.

NOTICE

If you continue to drive with the DPF warning light blinking for a long time, the DPF system can be damaged and fuel consumption can worsen.

**SCR warning light
(for diesel engine,
if equipped)**



This warning light illuminates:

When the urea solution tank is nearly empty.

If the urea solution tank is nearly empty, refill urea solution as soon as possible.

For more details, refer to “Selective Catalytic Reduction (SCR)” section in chapter 8.

Electronic Stability Control (ESC) Indicator Light (if equipped)



This indicator light illuminates:

- When you set the ignition switch to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When there is a malfunction with the ESC system.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

This indicator light blinks:

- While the ESC is operating.

For more details, refer to “Electronic Stability Control (ESC)” in chapter 5.

Electronic Stability Control (ESC) OFF Indicator Light (if equipped)



This indicator light illuminates:

- When you set the ignition switch to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When you deactivate the ESC system by pressing the ESC OFF button.

For more details, refer to “Electronic Stability Control (ESC)” in chapter 5.

AUTO STOP Indicator Light (if equipped)



This indicator light illuminates:

- When the engine enters the Idle Stop mode of the ISG (Idle Stop and Go) system.

This indicator light blinks:

- When the automatic starting occurs, the AUTO STOP indicator on the cluster will blink for 5 seconds.

For more details, refer to the “ISG (Idle Stop and Go) system” in chapter 5.

i Information

When the engine automatically starts by the ISG system, some warning lights (ABS, ESC, ESC OFF, EPS or Parking brake warning light) may turn on for a few seconds.

This happens because of low battery voltage. It does not mean the system has malfunctioned.

**Low Tire Pressure
Warning Light
(if equipped)**



This warning light illuminates:

- When you set the ignition switch or Engine Start/Stop button to the ON position.
 - It illuminates for approximately 3 seconds and then goes off.
- When one or more of your tires are significantly underinflated (The location of the underinflated tires are displayed on the LCD display).

For more details, refer to “Tire Pressure Monitoring System (TPMS)” in chapter 6.

**SPORT Mode Indicator
Light (if equipped)**



This indicator light illuminates

- When you select “SPORT” mode as drive mode.

For more details, refer to “Drive Mode Integrated Control System” in chapter 5.

**ECO Mode Indicator
Light (if equipped)**



This indicator light illuminates:

- When you select “ECO” mode as drive mode.

For more details, refer to “Drive Mode Integrated Control System” in chapter 5.

This warning light remains on after blinking for approximately 60 seconds or repeatedly blinks on and off at approximately 3 second intervals:

- When there is a malfunction with the TPMS.

In this case, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer as soon as possible.

For more details, refer to

“Tire Pressure Monitoring System (TPMS)” in chapter 6.

 **WARNING**

Safe Stopping

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

LCD display messages (if equipped)

Shift to “P” position (for smart key system and dual clutch transmission)

- This warning message displays if you try to turn off the engine without the shift lever in P (Park) position.
- At this time, the Engine Start/Stop button turns to the ACC position (If you press the Engine Start/Stop button once more, it will turn to the ON position).

Low Key Battery (for smart key system)

This warning message displays if the battery of the smart key is discharged when the Engine Start/Stop button is in the OFF position.

Press start button while turning wheel (for smart key system)

This warning message displays if the steering wheel does not unlock normally when the Engine Start/Stop button is pressed.

Press the Engine Start/Stop button while turning the steering wheel right and left.

Steering wheel not locked (for smart key system)

This warning message displays if the steering wheel does not lock when the Engine Start/Stop button is in the OFF position.

Check steering wheel lock system (for smart key system)

If there is a malfunction with steering wheel lock, the warning illuminates for 10 seconds on the LCD display.

Press clutch pedal to start en- gine (for smart key system and manual transmission)

This warning message displays if the Engine Start/Stop button is in the ACC position twice by pressing the button repeatedly without depressing the clutch pedal.

Depress the clutch pedal to start the engine.

Press brake pedal to start en- gine (for smart key system dual clutch transmission)

- This warning message displays if the Engine Start/Stop button changes to the ACC position twice by pressing the button repeatedly without depressing the brake pedal.
- It means that you should depress the brake pedal to start the engine.

Key not in vehicle (for smart key system)

This warning message displays if the smart key is not in the vehicle when you press the Engine Start/Stop button.

Always have the smart key with you.

**Key not detected
(for smart key system)**

This warning message displays if the smart key is not detected when you press the Engine Start/Stop button.

**Press start button again
(for smart key system)**

This warning message displays if you cannot operate the Engine Start/Stop button when there is a problem with the Engine Start/Stop button system.

Start the engine by pressing the Engine Start/ Stop button once more.

If the warning displays each time you press the Engine Start/Stop button, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

**Press “START” button with key
(for smart key system)**

This warning message displays if you press the Engine Start/Stop button while the warning message “Key not detected” is illuminated.

At this time, the immobilizer indicator light will blink.

**Check “BRAKE SWITCH” fuse
(for smart key system and a dual clutch transmission)**

- This warning message displays if the brake switch fuse is disconnected.
- It means that you should replace the fuse with a new one. If that is not possible, you can start the engine by pressing the Engine Start/ Stop button for 10 seconds in the ACC position.

**Shift to “P” or “N” to start engine
(for smart key system and dual clutch transmission)**

- This warning message displays if you try to start the engine with the shift lever not in the P (Park) or N (Neutral) position.

 Information

You can start the engine with the shift lever in the N (Neutral) position. But, for your safety, we recommend that you start the engine with the shift lever in the P (Park) position.

Low urea (for diesel engine) (if equipped)

This warning message illuminates if the urea solution level in the urea solution tank is nearly empty.

- When the SCR warning light is illuminated.

Refill urea solution as soon as possible.

For more details, refer to “Selective Catalytic Reduction (SCR)” in the chapter 8.

Check urea system (for diesel engine) (if equipped)

This warning message illuminates if the urea system has a malfunction.

In this case, we recommend that you have the urea system checked by an authorized HYUNDAI dealer.

For more details, refer to “Selective Catalytic Reduction (SCR)” in the chapter 8.

Door Open



This indicator displays which door is open.



CAUTION

Before driving the vehicle, you should confirm that the door / hood / tailgate are fully closed. Also, check there is no door / hood / tailgate open warning light or message displayed on the instrument cluster.

Sunroof Open



This indicator displays when the hood is open.

Lights mode (if equipped)



This indicator displays which exterior light is selected using the lighting control.

Wiper mode (if equipped)



This indicator displays which wiper speed is selected using the wiper control.

Low pressure (if equipped)



OCN7040026L

This warning message is displays if the tire pressure is low. The corresponding tire on the vehicle will be illuminated.

For more details, refer to “Tire Pressure Monitoring System (TPMS)” in chapter 6.

Align steering wheel (if equipped)

This warning message displays if you start the engine when the steering wheel is turned 90 degrees to the left or right.

Turn the steering wheel and make the angle of the steering wheel be less than 30 degrees.

Low Fuel

This warning message displays if the fuel tank is nearly empty.

- When the low fuel level warning light is displays.
- When the trip computer displays “--- km(or mile)” as distance to empty.

Add fuel as soon as possible.

Engine has overheated

This warning message displays with a warning chime when the engine coolant temperature is above 120°C (248°F). This means that the engine is overheated and may be damaged.

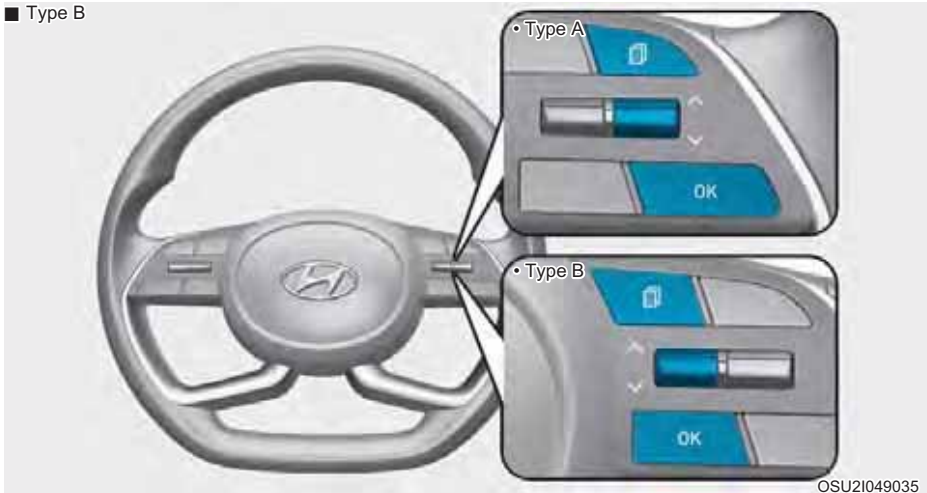
LCD DISPLAY

LCD display control




■ Type A






■ Type B



The LCD display modes can be changed by using the control buttons.

- (1)  : MODE button for changing modes
- (2)  ,  : MOVE switch for changing items
- (3) OK : SELECT/RESET button for setting or resetting the selected item

LCD display modes

Modes	Symbol	Explanation
Trip Computer		This mode displays driving information such as the trip-meter, fuel economy, etc. For more details, refer to "Trip Computer" in this chapter.
User Settings		In this mode, you can change settings of the doors, lamps, etc.
Warning		This mode displays warning messages related to the lamp malfunction, etc. Tire pressure information

The information provided may differ depending on which functions are applicable to your vehicle.

Trip computer mode

OQXI042134

This mode displays driving information like the tripmeter, fuel economy, and so on.

For more details, refer to “Trip Computer” in this chapter.

Turn By Turn (TBT) mode (if equipped)

OIK040042

This mode displays the state of the navigation.

Urea level (Diesel engine) (if equipped)

OTM090070L

This mode displays the approximate amount of remaining urea solution inside the urea solution tank.

Add the urea before the level indicates [E].

For more details, refer to “Selective Catalytic Reduction (SCR)” in chapter 8.

User settings mode



In this mode, you can change the settings of the instrument cluster, doors, lamps, etc.

1. Driver assistance
2. Cluster
3. Lights
4. Door
5. Convenience
6. Unit
7. Language
8. Reset

The information provided may differ depending on which functions are applicable to your vehicle.

Shift to P to edit settings

This warning message illuminates if you try to select an item from the User Settings mode while driving.

- Automatic transmission
For your safety, change the User Settings after parking the vehicle, applying the parking brake and moving the shift level to P(Park).
- Manual transmission
For your safety, change the User Settings after engaging the parking brake.

1. Driver Assistance

Items	Explanation
Warning Volume	To adjust the warning timing of the driver assistance system. <ul style="list-style-type: none"> • High / Medium / Low
Parking Safety	<ul style="list-style-type: none"> • Parking Distance Warning Auto On For more details, refer to “Reverse Parking Distance Warning (PDW)” in chapter 7.

* The information provided may differ depending on which functions are applicable to your vehicle.

2. Cluster

Items	Explanation
Theme Selection	<ul style="list-style-type: none"> • Theme A • Theme B • Theme C
Wiper/Light Display	To activate or deactivate the Wiper/ Light mode. When activated, the LCD display shows the selected Wiper/Light mode whenever you changed the mode.
Traffic Signs	To set the traffic signs displayed.
Icy Road Warning	To activate or deactivate the icy road warning function.
Welcome Sound	To activate or deactivate the welcome sound.

3. Lights

Items	Explanation
Illumination	To adjust the illumination level. - Level 1~20
One Touch Turn Signal	<ul style="list-style-type: none"> • Off: The one touch turn signal function will be deactivated. • 3, 5, 7 Flashes: The turn signal indicator will blink 3, 5, or 7 times when the turn signal lever is moved slightly. <p>For more details, refer to “Light” in this chapter.</p>
Headlight Delay	<ul style="list-style-type: none"> • To activate or deactivate the headlamp delay function. <p>For more details, refer to “Light” in this chapter.</p>

4. Door

Items	Explanation
Automatically Lock	<ul style="list-style-type: none"> • Enable on Shift: All doors will be automatically locked if the automatic transmission/dual clutch transmission shift lever is moved from the P (Park) position to the R (Reverse), N (Neutral), or D (Drive) position. (Only when the engine is running) • Enable on Speed: All doors will be automatically locked when the vehicle speed exceeds 15km/h (9.3mph). • Off : The auto door lock operation will be deactivated.
Automatically Unlock	<ul style="list-style-type: none"> • On Shift to P: All doors will be automatically unlocked if the automatic transmission/dual clutch transmission shift lever is moved to P (Park) position. (Only when the engine is running) • On key out/Vehicle Off : All doors will be automatically unlocked-when the ignition key is removed from the ignition switch or the Engine Start/Stop button is set to the OFF position. • Off : The auto door unlock operation will be canceled.
Remote window	<ul style="list-style-type: none"> • To activate or deactivate the remote vehicle window control function. <p>For more details, refer to “Light” in this chapter.</p>

5. Convenience

Items	Explanation
Service Interval	<ul style="list-style-type: none"> • Enable Service Interval • Adjust Interval • Reset
Welcome Mirror/Light	<ul style="list-style-type: none"> • On door unlock: The outside rearview mirrors are unfolded and the welcome light turns on automatically when the doors are unlocked. • On driver approach: The outside rearview mirrors are unfolded and the welcome light turns on automatically when the vehicle is approached with the smart key. <p>For more details, refer to "Welcome System" in this chapter.</p>
Wireless Charging System	<ul style="list-style-type: none"> • To activate or deactivate the wireless charging system in the front seat. <p>For more details, refer to "Wireless cellular phone charging system" in this chapter.</p>

Information

To use the service interval menu, we recommend that you consult an authorized HYUNDAI dealer.

If the service interval is activated and the time and distance is adjusted, messages are displayed in the following situations each time the vehicle is turned on.

- Service in
: Displayed to inform the driver the remaining mileage and days to service.
- Service required
: Displayed when the mileage and days to service has been reached or passed.

Information

If any of the following conditions occur, the mileage and number of days to service may be incorrect.

- The battery cable is disconnected.
- The fuse switch is turned off.
- The battery is discharged.

6. Units

Items	Explanation
Temperature Unit	To select the temperature unit. (°C, °F)
Fuel Econ. Unit	To select the fuel economy unit. (km/L, L/100km, MPG)
Tire Pressure Unit	To select the tire pressure unit. (psi, kPa, bar)

7. Language (if equipped)

Items	Explanation
Language	Choose the language. You can choose the language in infotainment system. (if equipped)

8. Reset

Items	Explanation
Reset	You can reset the menus in the User Settings Mode. All menus in the User Settings Mode are reset to factory settings, except language and service interval.

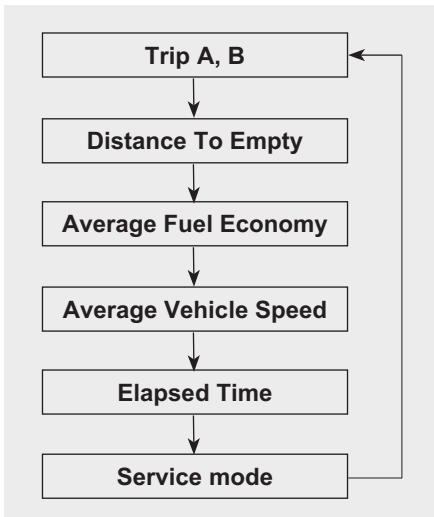
Trip computer (Type A)

The trip computer is a microcomputer-controlled driver information system that displays information related to driving.

NOTICE

Some driving information stored in the trip computer (for example Average Vehicle Speed) resets if the battery is disconnected.

Trip modes



Tripmeter



- The tripmeter is the total driving distance since the last tripmeter reset.
 - Distance range: 0.0 ~ 9999.9 km
- To reset manually, press the OK switch on the steering wheel for more than 1 second when 'Tripmeter' is displayed.

Distance To Empty



- The distance to empty is the estimated distance the vehicle can be driven with the remaining fuel.
 - Distance range: 1 ~ 990 km
- If the estimated distance is below 1 km, the trip computer will display “---” as distance to empty.

NOTICE

- If the vehicle is not on level ground or the battery power has been interrupted, the distance to empty function may not operate correctly.
- The distance to empty may differ from the actual driving distance as it is an estimate of the available driving distance.
- The trip computer may not register additional fuel if less than 5 liters of fuel are added to the vehicle.
- The fuel economy and distance to empty may vary significantly based on driving conditions, driving habits, blending rate of alcohol in fuel, and condition of the vehicle.

Average Fuel Economy



- The average fuel economy is calculated by the total driving distance and fuel consumption since the last average fuel economy reset.
 - Fuel economy range: 0.0 ~ 99.9 km/L
- The average fuel economy can be reset both manually and automatically.

Manual reset

To reset manually, press the OK switch on the steering wheel for more than 1 second when ‘Average fuel economy’ is displayed.

Automatic reset

The average fuel economy will be cleared to zero (---) when the vehicle speed exceeds 1.5 km/h after refueling more than 5 liters.

NOTICE

The average fuel economy is not displayed for more accurate calculation if the vehicle does not drive more than 10 seconds or 50 meters since the ignition switch is turned to ON.

Average Vehicle Speed



- The average vehicle speed is calculated by the total driving distance and driving time since the last average vehicle speed reset.
 - Speed range: 0 ~ 220 km/h
- To reset manually, press the OK switch on the steering wheel for more than 1 second when 'Average vehicle speed' is displayed.

NOTICE

- The average vehicle speed is not displayed if the driving distance has been less than 50 meters or the driving time has been less than 10 seconds since the ignition switch was turned to ON.
- Even if the vehicle is not in motion, the average vehicle speed keeps going while the engine is running.

Elapsed Time



- The elapsed time is the total driving time since the last elapsed time reset.
 - Time range (hh:mm): 00:00 ~ 99:59
- To reset manually, press the OK switch on the steering wheel for more than 1 second when 'Elapsed time' is displayed.

NOTICE

Even if the vehicle is not in motion, the elapsed time keeps going while the engine is running.

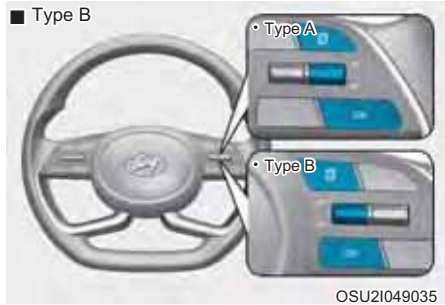
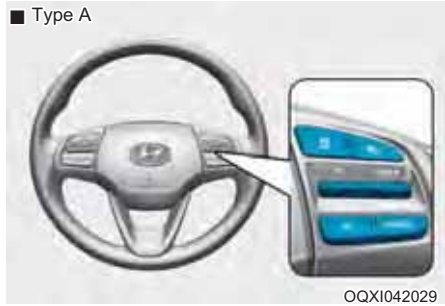
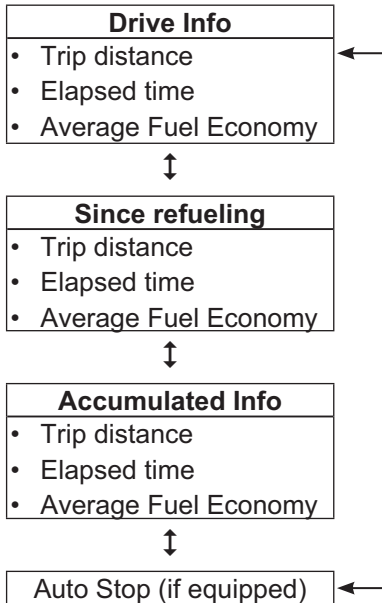
Trip computer (Type B)

The trip computer is a microcomputer-controlled driver information system that displays information related to driving.

i Information

Some driving information stored in the trip computer (for example Average Vehicle Speed) resets if the battery is disconnected.

Trip modes



To change the trip mode, toggle the “^, v” switch on the steering wheel

- Manual reset

To clear the average fuel economy manually, press the OK switch on the steering wheel for more than 1 second when the Average Fuel Economy is displayed.

- Automatic reset

To automatically reset the average fuel economy, select between 'After Ignition' or 'After Refueling' from the Settings menu in the instrument cluster.

- After Ignition: When the engine has been OFF for 3 minutes or longer the average fuel economy will reset automatically.
- After Refueling: The average fuel economy will reset automatically after adding 6 liters (1.6 gallons) of fuel or more and after driving speed exceeds 1 km/h (1 mph).



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Drive info

Trip distance (1), total driving time (2) and average fuel economy (3) are displayed.

The information is combined for each ignition cycle. However, when the engine has been OFF for 3 minutes or longer the Drive Info screen will reset.

To reset manually, press the OK switch on the steering wheel for more than 1 second when 'Drive Info' is displayed.



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Since refuel(ing)

Trip distance (1), total driving time (2) and average fuel economy (3) after the vehicle has been refueled are displayed.

To reset manually, press the OK switch on the steering wheel for more than 1 second when 'Since Refueling' is displayed.



Accumulated info

Accumulated trip distance (1), total driving time (2) and average fuel economy (3) are displayed.

The information is accumulated starting from the last reset.

To reset manually, press the OK switch on the steering wheel for more than 1 second when 'Accu-mulated Info' is displayed.



Auto stop (if equipped)

AUTO STOP display shows the elapsed time of engine stop by Idle Stop and Go system.

For more details, refer to "Idle Stop and Go (ISG)" section in chapter 5.

LIGHT

Exterior lights

Lighting control



To operate the lights, turn the knob at the end of the control lever to one of the following positions:

- (1) OFF position
- (2) AUTO light position (if equipped)
- (3) Parking light position
- (4) Headlight position



Headlight position (㉟)

When the light switch is in the headlight position, the headlights, license plate light and instrument panel lights are turned ON.

i Information

The ignition switch must be in the ON position to turn on the headlights.



Parking light position (㉞)

When the light switch is in the parking light position, the parking (position) light, license plate light and instrument panel lights are turned ON.



AUTO light position (if equipped)

When the light switch is in the AUTO position, the parking (position) light and headlights will be turned ON or OFF automatically depending on the amount of light outside the vehicle.

Even with the AUTO light feature in operation, it is recommended to manually turn ON the lights when driving at night or in a fog, or when you enter dark areas, such as tunnels and parking facilities.

NOTICE

- Do not cover or spill anything on the sensor (1) located on the instrument panel.
- Do not clean the sensor using a window cleaner, the cleanser may leave a light film which could interfere with sensor operation.
- If your vehicle has window tint or other types of metallic coating on the front windshield, the AUTO light system may not work properly.



High beam operation

To turn on the high beam headlight, push the lever away from you. The lever will return to its original position. The high beam indicator will light when the headlight high beams are switched on.

To turn off the high beam headlight, pull the lever towards you. The low beams will turn on.

WARNING

Do not use high beam when there are other vehicles approaching you. Using high beam could obstruct the other driver's vision.



To flash the high beam headlights, pull the lever towards you, then release the lever. The high beams will remain ON as long as you hold the lever towards you.

Turn signals and lane change signals



To signal a turn, push down on the lever for a right turn or up for a left turn in position (A). To signal a lane change, move the turn signal lever slightly and hold it in position (B). The lever will return to the OFF position when released or when the turn is completed.

If an indicator stays on and does not flash or if it flashes abnormally, one of the turn signal bulbs may be burned out and will require replacement.

One-touch lane change function

To activate an One-Touch Lane Change function, move the turn signal lever slightly and then release it. The lane change signals will blink 3, 5 or 7 times.

You can activate/deactivate the One Touch Turn Signal function or choose the number of blinking (3, 5, or 7) from the User Settings Mode on the LCD display.

For more details, refer to “LCD Display” in this chapter.

NOTICE

If the turn signal indicator stays on and does not flash, or if it flashes abnormally, a bulb may be burned out or have a poor electrical connection in the circuit. The bulb may require replacement.

Battery saver function

The purpose of this feature is to prevent the battery from being discharged. The system automatically turns off the parking lights when the driver removes the ignition key or turns the engine off (for smart key) and opens the driver-side door.

With this feature, the parking lights will turn off automatically if the driver parks on the side of road at night.

However, the position lamps stay ON even when the driver-side door is opened if the headlamp switch is turned to the position lamp or AUTO (if equipped) position after the engine is turned off.

If necessary, to keep the lamps on turn the position lamps OFF and ON again using the headlamp switch on the steering column after the engine is turned off.

Headlight delay function (if equipped)

If the key is removed from the ignition switch or placed in the ACC or LOCK/OFF position with the headlights ON, the headlights (and/or parking lights) remain on for about 5 minutes. However, with the engine off if the driver's door is opened and closed, the headlights (and/or parking lights) are turned off after 15 seconds.

The headlights (and/or parking lights) can be turned off by pressing the lock button on the remote key (or smart key) twice or turning the light switch to the OFF or AUTO position. However, if you turn the light switch to the AUTO position when it is dark outside, the headlights will not be turned off.

NOTICE

If the driver gets out of the vehicle through other doors (except driver's door), the battery saver function does not operate and the headlight delay function does not turn off automatically. Therefore, it causes the battery to be discharged. In this case, make sure to turn off the lamp before getting out of the vehicle.

Headlight leveling device (if equipped)



To adjust the headlight beam level according to the number of the passengers and loading weight in the luggage area, turn the beam leveling switch.

The higher the number of the switch position, the lower the headlight beam level. Always keep the headlight beam at the proper leveling position, or headlights may dazzle other road users.

Listed below are the examples of proper switch settings. For loading conditions other than those listed below, adjust the switch position so that the beam level may be the nearest as the condition obtained according to the list.

Loading condition	Switch position
Driver only	0
Driver + Front passenger	0
Full passengers (including driver)	1
Full passengers (including driver) + Maximum permissible loading	2
Driver + Maximum permissible loading	3

Daytime running light (DRL) (if equipped)

The Daytime Running Lights (DRL) can make it easier for others to see the front of your vehicle during the day, especially after dawn and before sunset.

The DRL system will turn the dedicated lamp OFF when:

1. The headlights or front fog lights are in the ON position.
2. The engine is turned off.

HIGH BEAM ASSIST (HBA) (IF EQUIPPED)



OIKO47090R

High Beam Assist will automatically adjust the headlight range (switches between high beam and low beam) depending on the brightness of detected vehicles and certain road conditions.

Detecting sensor



©OXI073066

[1] : Front view camera

The front view camera is used as a detecting sensor to detect ambient light and brightness while driving.

Refer to the picture above for the detailed location of the detecting sensor.

NOTICE

- Always keep the front view camera in good condition to maintain optimal performance of High Beam Assist.
- For more details on the precautions of the front view camera, refer to “Forward Collision-Avoidance Assist (FCA)” section in chapter 7.

High Beam Assist settings

With the engine on, select ‘Lights → High Beam Assist’ from the Settings menu to turn on High Beam Assist and deselect to turn off the function.



WARNING

For your safety, change the Settings after parking the vehicle at a safe location.

High Beam Assist operation

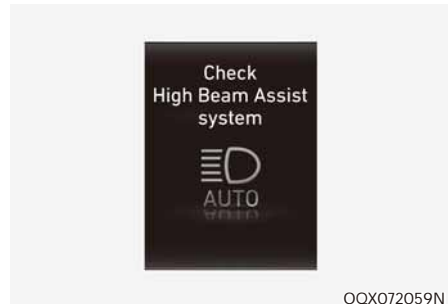
Display and control


- After selecting 'High Beam Assist' in the Settings menu, High Beam Assist will operate by following the procedure below.
 - Place the headlight switch in the AUTO position and push the headlight lever towards the instrument cluster. The High Beam Assist (HBA) indicator light will illuminate on the cluster and High Beam Assist will be enabled.
 - When High Beam Assist is enabled, high beam will turn on when vehicle speed is above 40 km/h (25 mph). When vehicle speed is below 25 km/h (15 mph), high beam will turn off.
 - The High Beam (HBA) indicator light will illuminate on the cluster when high beam is on.
- When High Beam Assist is operating, if the headlight lever or switch is used, High Beam Assist operates as follow:
 - If the headlight lever is pulled towards you when the high beam is off, the high beam will turn on without High Beam Assist cancelled. When you let go of the headlight lever, the switch will move to the middle and the high beam will turn off.
 - If the headlight switch is pulled towards you when the high beam is on by High Beam Assist, low beam will turn on and High Beam Assist will turn off.
 - If the headlight switch is placed from AUTO to another position (headlight/position/off), High Beam Assist will turn off and the corresponding lamp will turn on.

- When High Beam Assist is operating, high beam switches to low beam if any of the following conditions occur:
 - When the headlight of an oncoming vehicle is detected.
 - When the tail lamp of a vehicle in front is detected.
 - When the headlight or tail lamp of a motorcycle or a bicycle is detected.
 - When the surrounding ambient light is bright enough that high beams are not required.
 - When streetlights or other lights are detected.

High Beam Assist malfunction and limitations

High Beam Assist malfunction



When High Beam Assist is not working properly, the 'Check High Beam Assist system' warning message will appear and  warning light will illuminate on the cluster. We recommend that the vehicle be inspected by an authorized HYUNDAI dealer.

Limitations of High Beam Assist

High Beam Assist may not work properly in the following situations:

- Light from an oncoming or front vehicle is not detected because of lamp damage, or because it is hidden from sight, etc.
- Headlight of an oncoming or front vehicle is covered with dust, snow or water.
- A front vehicle's headlights are off but the fog lamps are on and etc.
- There is a lamp that has a similar shape as a vehicle's lamp.
- Headlights have been damaged or not repaired properly.
- Headlights are not aimed properly.
- Driving on a narrow-curved road, rough road, uphill or downhill.
- Vehicle in front is partially visible on a crossroad or curved road.
- There is a traffic light, reflecting sign, flashing sign or mirror ahead.
- There is a temporary reflector or flash ahead (construction area).
- The road conditions are bad such as being wet, iced or covered with snow.
- A vehicle suddenly appears from a curve.
- The vehicle is tilted from a flat tire or is being towed.
- Light from an oncoming or front vehicle is not detected due to obstacles in the air such as exhaust fume, smoke, fog, snow, or water spray or blizzard on the road, or fogging in the lamp, etc.

Information

For more details on the limitations of the front view camera, refer to “Forward Collision-Avoidance Assist (FCA)” section in chapter 7.

WARNING

- **At times, High Beam Assist may not work properly. The function is for your convenience only. It is the responsibility of the driver for safe driving practices and always check the road conditions for your safety.**
- **When High Beam Assist does not operate normally, change the headlight position manually between high beam and low beam.**

Interior lights



WARNING

Do not use the interior lights when driving in the dark. The interior lights may obscure your view and cause an accident.

NOTICE

Do not use the interior lights for extended periods when the engine is turned off or the battery will discharge.

Interior lamp AUTO cut

The interior lamps will automatically go off approximately 20 minutes after the engine is turned off and the doors closed. If a door is opened, the lamp will go off 40 minutes after the engine is turned off. If the doors are locked by the remote key or smart key and the vehicle enters the armed stage of the theft alarm system, the lamps will go off five seconds later.

Front lamps (If equipped)




- (1) Front Map Lamp
- (2) Front Room Lamp


Front Map Lamp:


Press either the right or left lens to turn the map lamp on or off. This light produces a spot beam for convenient use as a map lamp at night or as a personal lamp for the driver and the front passenger.

Front Room Lamp:

The Front Room Lamp Switch activates the front lamps when the switch is pressed in either of the three positions indicated below:

 : The front room lamps come on when the front or rear doors are opened if the engine is running or not. When doors are unlocked by the remote key or smart key, the front lamps come on for approximately 15 seconds as long as any door is not opened. The front room lamps go out gradually after approximately 15 seconds if the door is closed. However, if the ignition switch is in the ON position or all doors are locked, the front lamps will turn off immediately. If a door is opened with the ignition switch in the ACC position or the LOCK/OFF position, the front lamps stay on for about 20 minutes. However, if a door is opened with the ignition switch in the ON position, the lamps stay on continuously.

 : With the Front Room Lamp in this position, the front room lamps remain on at all times.

 : With the Front Room Lamp in this position the front room lamps remain off at all times.

Information


When the map lamp (1) is turned ON by pressing the lens, the map lamp will not turn off even if the front room lamp switch is in the OFF position.



Room lamp



Rear Door Lamp Switch:

The Rear Room Lamp Switch activates the rear room lamp when the switch is pressed in either of the three positions indicated below

 : The rear room lamp come on when the front or rear doors are opened if the engine is running or not. When doors are unlocked by the remote key or smart key, the rear lamp come on for approximately 15 seconds as long as any door is not opened. The rear room lamp go out gradually after approximately 15 seconds if the door is closed. However, if the ignition switch is in the ON position or all doors are locked, the rear lamp will turn off immediately. If a door is opened with the ignition switch in the ACC position or the LOCK/OFF position, the rear lamp stay on for about 20 minutes. However, if a door is opened with the ignition switch in the ON position, the lamp stays on continuously.

-  : With the Rear Room Lamp in this position, the rear room lamp remain on at all times.
-  : With the Rear Room Lamp in this position the rear room lamp remain off at all times.

NOTICE

Do not leave the lamp switches on for an extended period of time when the engine is turned off.

Luggage room lamp (if equipped)



The luggage room lamp comes on when the tailgate is opened.

NOTICE

The luggage room lamp comes on as long as the tailgate is open. To prevent unnecessary charging system drain, close the tailgate securely after using the luggage room.

Mood lamp



The lamp turns on when 'User settings → Lights → Ambient Light' is selected from the infotainment system screen.

Welcome system



Welcome system helps keep the driver visible by turning on vehicle lights when the driver approaches the vehicle.

Puddle lamp (if equipped)

When the ignition switch is in the OFF position and the driver's door is opened, the puddle lamp will come ON for 30 seconds. If the driver's door is closed within the 30 seconds, the puddle lamp will turn off after 15 seconds.

If the driver's door is closed and locked, the puddle lamp will turn off immediately.

When all the doors (and tailgate) are closed and locked, the puddle lamp will come on for about 15 seconds if any of the below is performed.

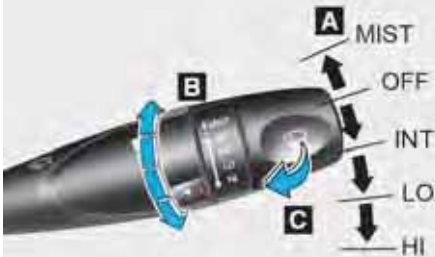
- When the door unlock button is pressed on the smart key
- When the button of the outside door handle is pressed
- When the vehicle is approached with the smart key in possession (if equipped)

Also if "Convenience → Welcome mirror/light" is selected in the User Settings mode on the LCD display.

WIPERS AND WASHERS

■ Front

- Type A



A : Wiper speed control

- MIST – Single wipe
- OFF – Off
- INT – Intermittent wipe
- LO – Low wiper speed
- HI – High wiper speed

- Type B



B : Intermittent wipe time adjustment

C : Wash with brief wipes

■ Rear



D : Rear wiper/washer control (if equipped)

- HI – High wiper speed
- LO – Low wiper speed
- OFF - Off

E : Wash with brief wipes (if equipped)

OQXI049043/OQXI049044/OQXI042045

Windshield wipers

Operates as follows when the ignition switch is in the ON position.

MIST : For a single wiping cycle, Move the lever up (MIST) and release it. The wipers will operate continuously if the lever is held in this position.

OFF : Wipers are not in operation.

INT : Wiper operates intermittently at the same wiping intervals. To vary the speed setting, move the speed control lever.

LO : Normal wiper speed.

HI : Fast wiper speed.

i Information

If there is heavy accumulation of snow or ice on the windshield, defrost the windshield for about 10 minutes, or until the snow and/or ice is removed before using the windshield wipers to ensure proper operation.

If you do not remove the snow and/or ice before using the wiper and washer, it may damage the wiper and washer system.

Windshield washers



In the OFF position, pull the lever gently toward you to spray washer fluid on the windshield and to run the wipers 1-3 cycles. Use this function when the windshield is dirty. The spray and wiper operation will continue until you release the lever.

If the washer does not work, check the washer fluid level. If the fluid level is not sufficient, you will need to add appropriate non-abrasive windshield washer fluid to the washer reservoir.

The reservoir filler neck is located in the front of the engine compartment on the passenger side.

! WARNING

When the outside temperature is below freezing, ALWAYS warm the windshield using the defroster to prevent the washer fluid from freezing on the windshield and obscuring your vision which could result in an accident and serious injury or death.

NOTICE

- To prevent possible damage to the washer pump, do not operate the washer when the fluid reservoir is empty.
- To prevent possible damage to the wipers or windshield, do not operate the wipers when the windshield is dry.
- To prevent damage to the wiper arms and other components, do not attempt to move the wipers manually.
- To prevent possible damage to the wipers and washer system, use anti-freezing washer fluids in the winter season or cold weather.

Rear window wiper and washer switch (if equipped)



OQXI049047

The rear window wiper and washer switch is located at the end of the wiper and washer switch lever. Turn the switch to the desired position to operate the rear wiper and washer.

ON – Continuous wipe

OFF – Off



OQXI049048

Push the lever away from you to spray rear washer fluid and to run the rear wipers 1~3 cycles. The spray and wiper operation will continue until you release the lever. (if equipped)

CLIMATE CONTROL SYSTEM

Defroster

NOTICE

To prevent damage to the conductors bonded to the inside surface of the rear window, never use sharp instruments or window cleaners containing abrasives to clean the window.

If you want to defrost and defog the front windshield, refer to “Windshield defrosting and defogging” in this section.

Rear window defroster (if equipped)

■ Manual Climate Control System



■ Automatic Climate Control System



The defroster heats the window to remove frost, fog and thin ice from the interior and exterior of the rear window, while engine is running.

To activate the rear window defroster, press the rear window defroster button located in the climate control system. The indicator on the rear window defroster button illuminates when the defroster is ON.

To turn off the defroster, press the rear window defroster button again.

i Information

- If there is heavy accumulation of snow on the rear window, brush it off before operating the rear defroster.
- The rear window defroster automatically turns off after approximately 20 minutes or when the ignition switch is turned off.

Manual climate control system (if equipped)





OQXI049300

- (1) Temperature control knob
- (2) Fan speed control knob
- (3) Mode selection knob
- (4) Air intake control button
(recirculated air position or outside (fresh) air position)
- (5) A/C (Air conditioning) button
- (6) Rear window defroster button (if equipped)

Heating and air conditioning



OQXI049304

1. Start the engine.
2. Set the mode to the desired position.
To improve the effectiveness of heating and cooling :
 - Heating: 
 - Cooling: 
3. Set the temperature control to the desired position.
4. Set the air intake control to the outside (fresh) air or recirculated air position.
5. Set the fan speed control to the desired speed.
6. If air conditioning is desired, turn the air conditioning system (if equipped) on.

Mode selection



The mode selection knob controls the direction of the air flow through the ventilation system.

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



Face-Level (B, D, E)

Air flow is directed toward the upper body and face. Additionally, each outlet can be controlled to direct the air discharged from the outlet.



Bi-Level (B, C, D, E)

Air flow is directed towards the face and the floor.



Floor-Level (A, C, D)

Most of the air flow is directed to the floor, with a small amount of the air being directed to the windshield, side window defrosters and side vents.



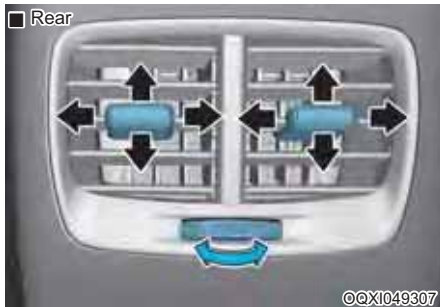
Floor/Defrost-Level (A, C, D)

Most of the air flow is directed to the floor and the windshield with a small amount directed to the side window defrosters and side vents.



Defrost-Level (A, D)

Most of the air flow is directed to the windshield with a small amount of air directed to the side vents.



Instrument panel vents

The outlet vents located in the rear can be opened or closed separately using the thumbwheel.

Also, you can adjust the direction of air delivered from these vents using the vent control lever as shown.

Temperature control



The temperature will increase by turning the knob to the right.

The temperature will decrease by turning the knob to the left.

Air intake control



This button is used to select the outside (fresh) air position or recirculated air position.

Recirculated air position



The indicator light on the button illuminates when the recirculated air position is selected.

With the recirculated air position selected, air from the passenger compartment will be drawn through the climate control system and heated or cooled according to the function selected.

Outside (fresh) air position



The indicator light on the button will turn off when the outside (fresh) air position is selected.

With the outside (fresh) air position selected, air enters the vehicle from outside and is heated or cooled according to the function selected.

Information

Prolonged use of the air conditioning with the recirculated air position selected will result in excessively dry air in the passenger compartment.

WARNING

- **Continued use of the climate control system operation in the recirculated air position can cause drowsiness or sleepiness, that may cause loss of vehicle control resulting in an accident. Set the air intake control to the outside (fresh) air position as much as possible while driving.**

- **Continued use of the climate control system operation in the recirculated air position (without the air conditioning selected) may allow humidity to increase inside the vehicle which may fog the glass and obscure visibility.**
- **Do not sleep in a vehicle with air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.**

Fan speed control



OQXI049310

Turn the knob to the right to increase the fan speed and airflow. Turn the knob to the left to decrease fan speed and airflow.


Air conditioning (A/C)




Press the A/C button to turn the air conditioning system on (indicator light will illuminate). Press the button again to turn the air conditioning system off.

System operation

Ventilation

1. Select the Face Level  mode.
2. Set the air intake control to the outside (fresh) air position.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.

Heating

1. Select the Floor Level  mode.
2. Set the air intake control to the outside (fresh) air position.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.
5. If dehumidified heating is desired, turn the air conditioning system (if equipped) on.


If the windshield fogs up, select the Floor & Defrost  mode or select the Front Defroster  mode.

Operation Tips

- To keep dust or unpleasant fumes from entering the car through the ventilation system, temporarily set the air intake control to the recirculated air position. Return the control to the fresh air position when the irritation has passed. This will help keep the driver alert and comfortable.
- To prevent inside of the windshield from fogging, set the air intake control to the fresh air position and fan speed to the desired position, turn on the air conditioning system, and adjust the temperature control to desired temperature.

Air conditioning

HYUNDAI Air Conditioning Systems are filled with a R-134a refrigerant.

1. Start the engine.
2. Push the air conditioning button.
3. Set the mode to the Face Level  mode.
4. Set the air intake control to the recirculated air position. However, prolonged operation of the recirculated air position will excessively dry the air. In this case, change the air position.
5. Adjust the fan speed control and temperature control to maintain maximum comfort.

When maximum cooling is desired, set the temperature control to the extreme left position then set the fan speed control to the highest speed.

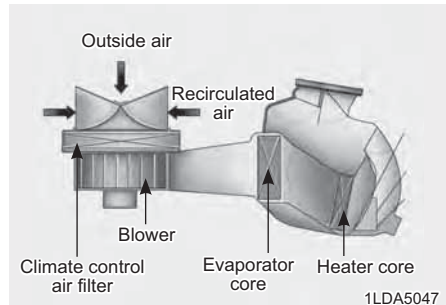
NOTICE

When using the air conditioning system, monitor the temperature gauge closely while driving up hills or in heavy traffic when outside temperatures are high. Air conditioning system operation may cause engine overheating. Continue to use the blower fan but turn the air conditioning system off if the engine temperature gauge indicates engine overheating.

Air conditioning system operation tips

- If the vehicle has been parked in direct sunlight during hot weather, open the windows for a short time to let the hot air inside the vehicle escape.
- After sufficient cooling has been achieved, switch back from the recirculated air to the fresh outside air position.
- To help reduce moisture inside of the windows on rainy or humid days, decrease the humidity inside the vehicle by operating the air conditioning system with the windows closed.
- Use the air conditioning system every month only for a few minutes to ensure maximum system performance.
- If you operate air conditioner excessively, the difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up, causing loss of visibility. In this case, set the mode selection knob or button to the position and fan speed control to the lower speed.

System maintenance



Climate control air filter

This filter is installed behind the glove box. It filters the dust or other pollutants that enter the vehicle through the heating and air conditioning system.

We recommend the climate control air filter be replaced by an authorized HYUNDAI dealer according to the maintenance schedule. If the car is being driven in severe conditions such as dusty or rough roads, more frequent air conditioner filter inspections and changes are required.

If the air flow rate suddenly decreases, we recommend the system be checked at an authorized HYUNDAI dealer.

Checking the amount of air conditioner refrigerant and compressor lubricant

When the amount of refrigerant is low, the performance of the air conditioning is reduced. Overfilling also reduces the performance of the air conditioning system. Therefore, if abnormal operation is found, we recommend that the system be inspected by an authorized HYUNDAI dealer.

NOTICE

It is important that the correct type and amount of oil and refrigerant is used. Otherwise, damage to the compressor and abnormal system operation may occur. To prevent damage, the air conditioning system in your vehicle should only be serviced by trained and certified technicians.



WARNING



Vehicles equipped with R-134a

Since the refrigerant is operated at very high pressure, the air conditioning system should only be serviced by trained and certified technicians.

All refrigerants should be reclaimed with proper equipment.

Venting refrigerants directly to the atmosphere is harmful to individuals and environment. Failure to heed these warnings can lead to serious injuries.

Automatic climate control system (if equipped)



OQXI049301

1. Fan speed control knob
2. Temperature control knob
3. AUTO (automatic control) button
4. OFF button
5. Mode selection button
6. Recirculation mode/Fresh mode
7. Rear window defroster button (if equipped)
8. Front windshield defroster button
9. A/C (Air conditioning) button
10. Climate control screen

Automatic heating and air conditioning

The Automatic Climate Control System is controlled by setting the desired temperature.



OQXI049312

1. Press the AUTO button.

The modes, fan speeds, air intake and air-conditioning will be controlled automatically by the temperature setting you select.



OQXI049318

2. Turn the temperature control knob to the desired temperature. If the temperature is set to the lowest setting (LO), the air conditioning system will operate continuously.

To turn the automatic operation off, select any button of the following:

- Mode selection button
- Front windshield defrost button (Press the button one more time to deselect the front windshield defroster function.)
- Fan speed control button

The selected function will be controlled manually while other functions operate automatically.

For your convenience and to improve the effectiveness of the climate control, use the AUTO button and set the temperature to 23°C (73°F).

i Information



Never place anything near the sensor located to ensure better control of the heating and cooling system.



Manual heating and air conditioning

The heating and cooling system can be controlled manually by pressing buttons other than the AUTO button. In this case, the system works sequentially according to the order of buttons selected.

When pressing any button (or turning any knob) except the AUTO button while using automatic operation, the functions not selected will be controlled automatically.

1. Start the engine.
2. Set the mode to the desired position.

To improve the effectiveness of heating and cooling:

- Heating: 
- Cooling: 

3. Set the temperature control to the desired position.
4. Press the fresh button.
5. Set the fan speed control to the desired speed.
6. If air conditioning is desired, turn the air conditioning system on.
7. Press the AUTO button in order to convert to full automatic control of the system.



Mode selection



OQXI049315

The mode selection button controls the direction of the air flow through the ventilation system.



OQXI049316

Defrost-Level (A, D)

Most of the air flow is directed to the windshield with a small amount of air directed to the side window defrosters.



Face-Level (B, D, E)

Air flow is directed toward the upper body and face. Additionally, each outlet can be controlled to direct the air discharged from the outlet.



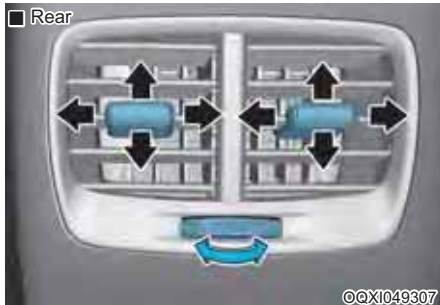
Floor-Level (A, C, D)

Most of the air flow is directed to the floor.



Defrost-Level (A, D)

Most of the air flow is directed to the windshield.



Instrument panel vents

The outlet vents located in the rear can be opened or closed separately using the thumbwheel.

Also, you can adjust the direction of air delivered from these vents using the vent control lever as shown.

Temperature control



The temperature will increase to the maximum (HI) by turning the knob to the right.

The temperature will decrease to the minimum (LO) by turning the knob to the left.

The temperature will increase or decrease by 0.5°C/1°F each time you turn the knob. When set to the lowest temperature setting, the air conditioning will operate continuously.

Air intake control



The air intake control button is used to select either Fresh mode (outside air) or Recirculation mode (cabin air).



Recirculation mode

When Recirculation mode is selected, air from the passenger compartment will be recirculated through the system and heated or cooled according to the function selected.



Fresh mode

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



Information

Prolonged use of the air conditioning with the recirculated air position selected will result in excessively dry air in the passenger compartment.



WARNING

- Continued use of the climate control system operation in the recirculated air position can cause drowsiness or sleepiness, that may cause loss of vehicle control resulting in an accident. Set the air intake control to the outside (fresh) mode as much as possible while driving.
- Continued use of the climate control system operation in the recirculated air position (without the air conditioning selected) may allow humidity to increase inside the vehicle which may fog the glass and obscure visibility.

- **Do not sleep in a vehicle with air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.**

Fan speed control



OQXI049313

Turn the knob to the right increase the fan speed and air flow. Turn the knob to the left to decrease fan speed and air flow.

Air conditioning



OQXI049319

Push the A/C button to manually turn the system on (indicator light will illuminate) and off.


OFF mode




Push the OFF button to turn off the climate control system. You can still operate the mode and air intake buttons with the ignition switch in the ON position.

System operation

Ventilation

1. Select the Face Level  mode.
2. Set the air intake control to the outside (fresh) mode.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.

Heating

1. Select the Floor Level  mode.
2. Set the air intake control to the outside (fresh) mode.
3. Set the temperature control to the desired position.
4. Set the fan speed control to the desired speed.
5. If dehumidified heating is desired, turn the air conditioning system (if equipped) on.


If the windshield fogs up, select the Front Defroster  mode.

Operation Tips

- To keep dust or unpleasant fumes from entering the car through the ventilation system, temporarily set the air intake control to the recirculated mode. Return the control to the fresh mode when the irritation has passed. This will help keep the driver alert and comfortable.
- To prevent inside of the windshield from fogging, set the air intake control to the fresh air position and fan speed to the desired position, turn on the air conditioning system, and adjust the temperature control to desired temperature.

Air conditioning (if equipped)

HYUNDAI Air Conditioning Systems are filled with a R-134a refrigerant.


1. Start the engine.
2. Push the air conditioning button.
3. Set the mode to the Face Level  mode.
4. Set the air intake control to the recirculated mode. However, prolonged operation of the recirculated mode will excessively dry the air. In this case, change the mode.
5. Adjust the fan speed control and temperature control to maintain maximum comfort.

When maximum cooling is desired, set the temperature control to the lowest setting (LO) then set the fan speed control to the highest speed.

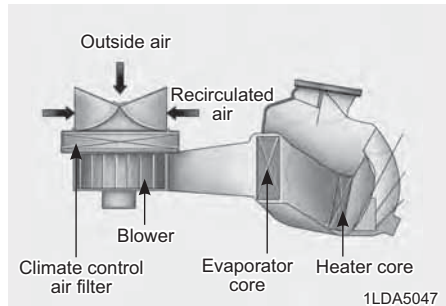
NOTICE

When using the air conditioning system, monitor the temperature gauge closely while driving up hills or in heavy traffic when outside temperatures are high. Air conditioning system operation may cause engine overheating. Continue to use the blower fan but turn the air conditioning system off if the engine temperature gauge indicates engine overheating.

Air conditioning system operation tips

- If the vehicle has been parked in direct sunlight during hot weather, open the windows for a short time to let the hot air inside the vehicle escape.
- After sufficient cooling has been achieved, switch back from the recirculated mode to the fresh mode.
- To help reduce moisture inside of the windows on rainy or humid days, decrease the humidity inside the vehicle by operating the air conditioning system with the windows closed.
- Use the air conditioning system every month only for a few minutes to ensure maximum system performance.
- If you operate air conditioner excessively, the difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up, causing loss of visibility. In this case, set the mode selection knob or button to the  position and fan speed control to the lower speed.

System maintenance



Climate control air filter

This filter is installed behind the glove box. It filters the dust or other pollutants that enter the vehicle through the heating and air conditioning system.

We recommend the climate control air filter be cleaned according to the maintenance schedule. If the car is being driven in severe conditions such as dusty or rough roads, more frequent air conditioner filter inspections and cleaning are required.

If the air flow rate suddenly decreases, we recommend the system be checked at an authorized HYUNDAI dealer.

Checking the amount of air conditioner refrigerant and compressor lubricant

When the amount of refrigerant is low, the performance of the air conditioning is reduced. Overfilling also reduces the performance of the air conditioning system. Therefore, if abnormal operation is found, we recommend that the system be inspected by an authorized HYUNDAI dealer.

NOTICE

It is important that the correct type and amount of oil and refrigerant is used. Otherwise, damage to the compressor and abnormal system operation may occur. To prevent damage, the air conditioning system in your vehicle should only be serviced by trained and certified technicians.

WARNING



Vehicles equipped with R-134a




Since the refrigerant is operated at very high pressure, the air conditioning system should only be serviced by trained and certified technicians.

All refrigerants should be reclaimed with proper equipment.

Venting refrigerants directly to the atmosphere is harmful to individuals and environment. Failure to heed these warnings can lead to serious injuries.

Windshield defrosting and defogging

WARNING





Do not use the  or  position during cooling operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up, causing loss of visibility. Set the mode selection to the  position and fan speed control to a lower speed.

- For maximum defrosting, set the temperature control to the extreme right/hot position and the fan speed control to the highest speed.
- If warm air to the floor is desired while defrosting or defogging, set the mode to the floor-defrost position.
- Before driving, clear all snow and ice from the windshield, rear window, outside rear view mirrors, and all side windows.
- Clear all snow and ice from the hood and air inlet at the bottom of the windshield.
- If the engine temperature is still cold after starting, then a brief engine warm up period may be required for the vented air flow to become warm or hot.

Manual climate control system




To defog inside windshield

1. Select desired fan speed.
2. Select desired temperature.
3. Select the  or  position.
4. The outside (fresh) air will be selected automatically. Additionally, the air conditioning will automatically operate if the mode is selected to the  or  position.

If the air conditioning and outside (fresh) mode are not selected automatically, press the corresponding button manually.




To defrost outside windshield

1. Set the fan speed to the highest (extreme right) position.
2. Set the temperature to the extreme hot position.
3. Select the  position.
4. The outside (fresh) mode and air conditioning will be selected automatically.


Automatic climate control system

To defog inside windshield




1. Select desired fan speed.
2. Select desired temperature.
3. Press the defroster button ().
4. The air-conditioning will turn on according to the detected ambient temperature, outside (fresh) and higher fan speed will be selected automatically.


If the air-conditioning, outside (fresh) air position and higher fan speed are not selected automatically, adjust the corresponding button or knob manually.

If the  position is selected, lower fan speed is adjusted to higher fan speed.

To defrost outside windshield



1. Set the fan speed to the highest position.
2. Set the temperature to the extreme hot (HI) position.
3. Press the defroster button ().
4. The air-conditioning will turn on according to the detected ambient temperature and outside (fresh) mode will be selected automatically.

If the  position is selected, lower fan speed is adjusted to higher fan speed.

Clean air (if equipped)



When the ignition switch is in the ON position, the clean air function turns on automatically.

Also, the clean air function turns off automatically, when the ignition switch turns to the OFF position.

STORAGE COMPARTMENT

WARNING

Flammable materials

Do not store cigarette lighters, propane cylinders, or other flammable/explosive materials in the vehicle. These items may catch fire and/or explode if the vehicle is exposed to hot temperatures for extended periods.

WARNING

ALWAYS keep the storage compartment covers closed securely while driving. Items inside your vehicle are moving as fast as the vehicle. If you have to stop or turn quickly, or if there is a crash, the items may fly out of the compartment and may cause an injury if they strike the driver or a passenger.

NOTICE

To avoid possible theft, do not leave valuables in the storage compartment.

Center console storage (if equipped)



To open the center console storage, pull up the lever.

Sliding armrest (if equipped)



To move the armrest forward:

Grab the front portion of the armrest (1) then pull it forward.

To move the armrest rearward:

Grab the front portion of the armrest (1) then push the armrest rearward.

WARNING

Do not grab the front portion of the armrest (1) when moving the armrest rearward. You may hurt your fingers.

Glove box



To open the glove box, pull the lever and the glove box will automatically open. Close the glove box after use.

WARNING

ALWAYS close the glove box door after use.

An open glove box door can cause serious injury to the passenger in an accident, even if the passenger is wearing a seat belt.

Cool box (if equipped)



You can keep beverage cans or other items cool in the glove box.

1. Turn on the air conditioning.
2. Turn the open/close switch (1) of the vent installed in the glove box to the open position.
3. When the cool box is not used, turn the switch (1) to the closed position.

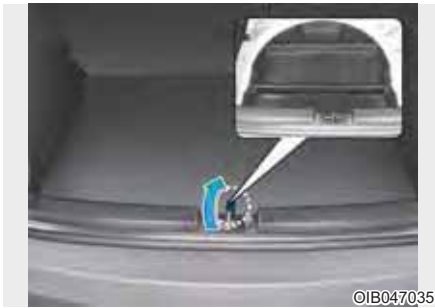
WARNING

Do not put perishable food in the cool box because it may not maintain the necessary consistent temperature to keep the food fresh.

Information

- If the vent is blocked by items in the coolbox, cooling will be reduced.
- If the climate control system temperature control is in the warm or hot position, warm or hot air will flow into the glove box.

Luggage box (if equipped)



You can place a first aid kit, a reflector triangle, tools, etc. in the box for easy access.

To use the luggage box, lift the floor cover of the luggage compartment.

INTERIOR FEATURES

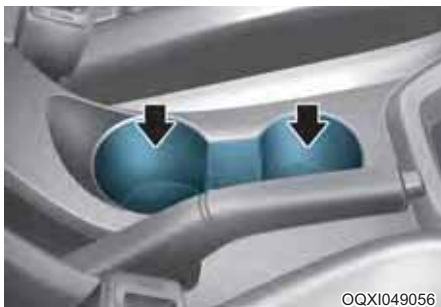
Clock (if equipped)

WARNING

Do not adjust the clock while driving. You may lose your steering control and cause severe personal injury or accidents.

Cup holder

Front



Cups or small beverage cans may be placed in the cup holders.

Rear (if equipped)



Pull the armrest down to use the cup holders.

WARNING

- Avoid abrupt starting and braking when the cup holder is in use to prevent spilling your drink. If hot liquid spills, you could be burned. Such a burn to the driver could cause loss of vehicle control resulting in an accident.
- Do not place uncovered or unsecured cups, bottles, cans, etc., in the cup holder containing hot liquid while the vehicle is in motion. Injuries may result in the event of sudden stop or collision.
- Only use soft cups in the cup holders. Hard objects can injure you in an accident.

WARNING

Keep cans or bottles out of direct sun light and do not put them in a hot vehicle. It may explode.

NOTICE

- Keep your drinks sealed while driving to prevent spilling your drink. If liquid spills, it may get into the vehicle's electrical/electronic system and damage electrical/electronic parts.
- When cleaning spilled liquids, do not dry the cup holder at high temperature. This may damage the cup holder.

Sunvisor

■ Driver's side



OIB044027

■ Passenger's side



OIB044028

Use the sunvisor to shield direct light through the front or side windows.

A mirror (if equipped) and ticket holder (if equipped) is provided on the sunvisor.

WARNING

For your safety, do not block your view when using the sunvisor.

Power outlet



OQXI042058

The power outlet is designed to provide power for mobile telephones or other devices designed to operate with vehicle electrical systems. The devices should draw less than 120W (Watt) with the engine running.

WARNING

Avoid electrical shocks. Do not place your fingers or foreign objects (pin, etc.) into a power outlet or touch the power outlet with a wet hand.

NOTICE

To prevent damage to the Power outlet:

- Use the power outlet only when the engine is running and remove the accessory plug after use. Using the accessory plug for prolonged periods of time with the engine off could cause the battery to discharge.
- Only use 12V electric accessories which are less than 180W (Watt) in electric capacity.
- Adjust the air-conditioner or heater to the lowest operating level when using the power outlet.
- Close the cover when not in use.
- Some electronic devices can cause electronic interference when plugged into a vehicle's power outlet. These devices may cause excessive audio static and malfunctions in other electronic systems or devices used in your vehicle.
- Push the plug in as far as it will go. If good contact is not made, the plug may overheat or the internal temperature fuse may open.
- Plug in battery equipped electrical/electronic devices with reverse current protection. The current from the battery may flow into the vehicle's electrical/electronic system and cause system malfunction.

USB charger (if equipped)



The USB charger is designed to recharge batteries of small size electrical devices using a USB cable.

The electrical devices can be recharged when the Engine Start/ Stop button is in the ACC, ON or START position.

The battery charging state may be monitored on the electrical device.

Disconnect the USB cable from the USB port after use.

- A smart phone or a tablet PC may get warmer during the re-charging process. It does not indicate any malfunction with the charging system.
- A smart phone or a tablet PC, which adopts a different re-charging method, may not be properly re-charged. In this case, use an exclusive charger of your device.

- The charging terminal is only to recharge a device. Do not use the charging terminal either to turn ON an audio or to play media on the infotainment system.

Wireless cellular phone charging system (if equipped)



On certain models, the vehicle comes equipped with a wireless cellular phone charger.

To start wireless charging, place the smart phone equipped with wireless charging function on the wireless charging pad. Firmly close all doors, and turn the ignition to IGN ON.

To charge a cellular phone

The wireless cellular phone charging system charges only the Qi-enabled cellular phones (Qi). Read the label on the cellular phone accessory cover or visit your cellular phone manufacturer's website to check whether your cellular phone supports the Qi technology.

The wireless charging process starts when you put a Qi-enabled cellular phone on the wireless charging unit.

1. Remove other items, including the smart key, from the wireless charging unit. If not, the wireless charging process may be interrupted. Place the cellular phone on the center of the charging pad (Qi).
2. You can turn ON or OFF the wireless charging function in the user settings mode on the instrument cluster. For further information, refer to the "LCD Modes" in chapter 3.
3. If the wireless charger does not work gently move your smart phone on the pad until charging indicator light turns orange. Depending on the smart phone, the charging indicator light will turn green after the charging is complete.
4. If the wireless charging is not function properly, the orange light will blink and flash for ten seconds then turn off.

In such cases remove the smart phone from the pad and replace or double check charging status.

If your cellular phone is not charging:

- Slightly change the position of the cellular phone on the charging pad.

In this case, temporarily stop the charging process, and re-attempt to charge your cellular phone again.

The system warns you with a message on the LCD display if the cellular phone is still on the wireless charging unit after the engine is turned OFF and the front door is opened.

Information

For some manufacturers' cellular phones, the system may not warn you even though the cellular phone is left on the wireless charging unit. This is due to the particular characteristic of the cellular phone and not a malfunction of the wireless charging.

WARNING

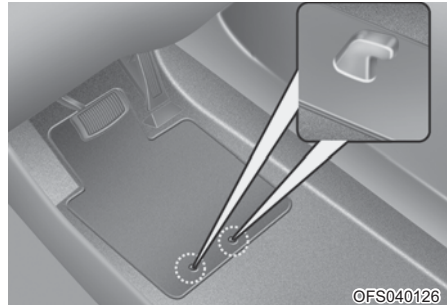
- The wireless cellular phone charging system may not support certain cellular phones, which are not verified for the Qi specification (Qi).
- When placing your cellular phone on the charging mat, position the phone in the middle of the mat for optimal charging performance. If your cell phone is off to the side, the charging rate may be less and in some cases the cell phone may experience higher heat conduction.
- In some cases of using the Remote Key or Smart key, the wireless charging may stop temporarily when starting the vehicle, locking/unlocking the doors, or etc.
- When charging certain cellular phones, the charging indicator may not change to green when the cell phone is fully charged.
- The wireless charging process may temporarily stop, when temperature abnormally increases inside the wireless cellular phone charging system. Stop the charging cellular phone and wait until temperature falls to a certain level.
- The wireless charging process may temporarily stop when there is any metallic item, such as a coin, between the wireless cellular phone charging system and the cellular phone.

- When charging some cellular phones with a self-protection feature, the wireless charging speed may decrease and the wireless charging may stop.
- If the cellular phone has a thick cover, the wireless charging may not be possible.
- If the cell phone is not completely contacting the charging pad, wireless charging may not operate properly.
- Some magnetic items like credit cards, phone cards or rail tickets may be damaged if left with the cellular phone during the charging process.
- When any cellular phone without a wireless charging function or a metallic object is placed on the charging pad, a small noise may sound. This small sound is due to the vehicle discerning compatibility of the object placed on the charging pad. It does not affect your vehicle or the cellular phone in any way.
- Smaller handset users (ex. iPhone 8) may face intermittent charging issues due to its small size. (place the Smart Phone at Center of the PAD)

i Information

If the ignition switch is in the OFF position, the charging also stops.

Floor mat anchor(s) (if equipped)



ALWAYS use the Floor Mat Anchors to attach the front floor mats to the vehicle. The anchors on the front floor carpet keep the floor mats from sliding forward.

Coat hook (if equipped)



These hooks are not designed to hold large or heavy items.

 **WARNING**



Do not hang other objects such as hangers or hard objects except clothes. Also, do not put heavy, sharp or breakable objects in the clothes pockets. In an accident or when the curtain air bag is inflated, it may cause vehicle damage or personal injury.

 **WARNING**

The following must be observed when installing ANY floor mat to the vehicle.

- Ensure that the floor mats are securely attached to the vehicle's floor mat anchor(s) before driving the vehicle.
- Do not use ANY floor mat that cannot be firmly attached to the vehicle's floor mat anchors.
- Do not stack floor mats on top of one another (For example, all-weather rubber mat on top of a carpeted floor mat). Only a single floor mat should be installed in each position.

IMPORTANT - Your vehicle was manufactured with driver's side floor mat anchors that are designed to securely hold the floor mat in place. To avoid any interference with pedal operation, HYUNDAI recommends that the HYUNDAI floor mat designed for use in your vehicle be installed.

Cargo area cover (if equipped)



Use the cargo area cover to hide items stored in the cargo area.

The cargo area cover can be uprighted or removed.

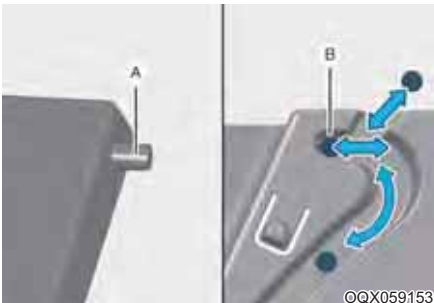
NOTICE

Do not put luggage on the cover since it may be damaged or malformed.



WARNING

- Do not place objects on the cargo area cover. Such objects may be thrown about inside the vehicle and possibly injure vehicle occupants during an accident or braking.
- Never allow anyone to ride in the luggage compartment. It is designed for luggage only.



- Fully insert the hinges (A) on both sides of the cargo area cover into position B. If not fully inserted, the cargo area cover can be damaged.

EXTERIOR FEATURES

Roof rack (if equipped)



If the vehicle has a roof rack, you can load cargo on top of your vehicle.

i Information

If the vehicle is equipped with a sunroof, be sure not to position cargo onto the roof rack in such a way that it could interfere with sunroof operation.

NOTICE

- When carrying cargo on the roof rack, take the necessary precautions to make sure the cargo does not damage the roof of the vehicle.
- When carrying large objects on the roof rack, make sure they do not exceed the overall roof length or width.

⚠ WARNING

- The following specification is the maximum weight that can be loaded onto the roof rack. Distribute the load as evenly as possible onto the roof rack and secure the load firmly.

Loading cargo or luggage in excess of the specified weight limit on the roof rack may damage your vehicle.

ROOF RACK	70 kg (154 lbs.) EVENLY DISTRIBUTED
------------------	--

- The vehicle centre of gravity will be higher when items are loaded onto the roof rack. Avoid sudden starts, braking, sharp turns, abrupt manoeuvres or high speeds that may result in loss of vehicle control or rollover resulting in an accident.
- Always drive slowly and turn corners carefully when carrying items on the roof rack. Severe wind updrafts, caused by passing vehicles or natural causes, can cause sudden upward pressure on items loaded on the roof rack. This is especially true when carrying large, flat items such as wood panels or mattresses. This could cause the items to fall off the roof rack and cause damage to your vehicle or others around you.
- To prevent damage or loss of cargo whilst driving, check frequently before or whilst driving to make sure the items on the roof rack are securely fastened.

5. Infotainment System

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Audio / Video (AV)	5-3
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Bluetooth® Wireless Technology	5-6

INFOTAINMENT SYSTEM

NOTICE

- If you install an aftermarket HID head lamp, your vehicle's audio and electronic device may malfunction.
- Prevent chemicals such as perfume, cosmetic oil, sun cream, hand cleaner, and air freshener from contacting the interior parts because they may cause damage, button struck issues or discoloration.

USB port (if equipped)



You can use an USB port to plug in an USB.

NOTE : Please go through USB compatibility list in HYUNDAI India website.

i Information

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

Antenna



Type A,B

The roof antenna receives DRM and both AM and FM broadcast signals. Rotate the roof antenna in a counter-clockwise direction to remove it. Rotate it in a clockwise direction to re-install it.

Type C

The shark fin antenna receives transmitted data. (for example: AM/FM, and DRM)

NOTICE

- Before entering a place with a low height clearance, be sure that the antenna is removed.
- Be sure to remove the antenna before washing the vehicle in an automatic car wash or it may be damaged.
- When reinstalling your antenna, it is important that it is fully tightened and adjusted to the upright position to ensure proper reception. But it could be removed when parking the vehicle.

NOTICE

Installation of aftermarket antenna may result in water leakage, wind noise, rattling & improper radio operation. We recommend to use the antenna available with an authorized Hyundai dealer.

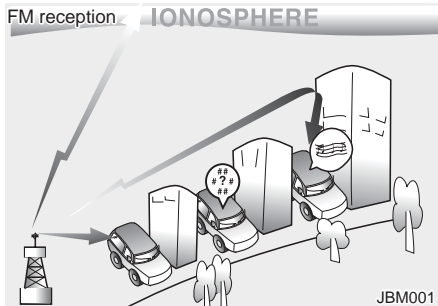
i Information

Some models do not have audio (plastic blanking cover) system, and will not supply radio main cable. Thus if you want to insert Aftermarket audio or OEM audio to listen radio broadcasting service, we recommend to use the feeder cable available with an authorized HYUNDAI dealer.

Audio / Video (AV) (if equipped)

Detailed information for the infotainment system is described in a separately supplied manual.

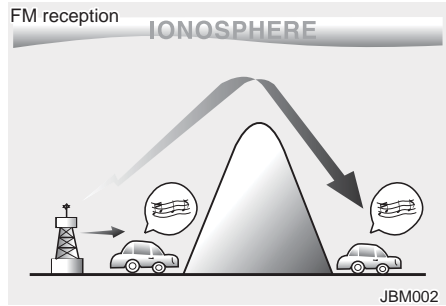
How vehicle audio works



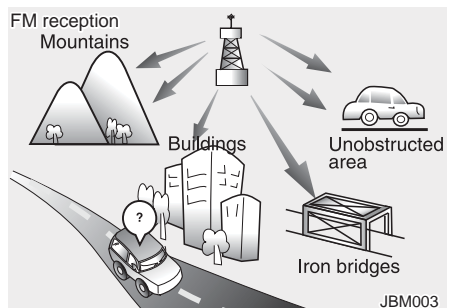
AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your vehicle. This signal is then processed by the radio and sent to your vehicle speakers.

When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear.

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

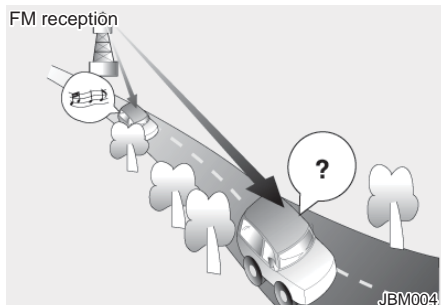


AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long distance, low frequency radio waves can follow the curvature of the earth rather than travelling straight. In addition, they curve around obstructions resulting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

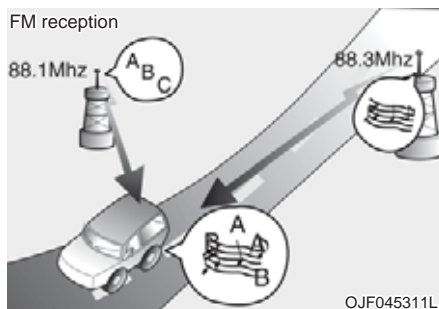


FM broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade within short distances from the station. Also, FM signals are easily affected by buildings, mountains, and obstructions. This can lead to undesirable or unpleasant listening conditions which might lead you to believe a problem exists with your radio.

The following conditions are normal and do not indicate radio trouble:



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



- **Multi-Path Cancellation** - Radio signals being received from several directions can cause distortion or fluttering. This can be caused by a direct and reflected signal from the same station, or by signals from two stations with close frequencies. If this occurs, select another station until the condition has passed.

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 system. 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.

NOTICE

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

Do not use a cellular phone while driving. Stop at a safe location to use a cellular phone.

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A *Bluetooth®* Wireless Technology enabled cell phone is required to use *Bluetooth®* Wireless Technology.



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 **WARNING**

Carbon monoxide (CO) gas is toxic. Breathing CO can cause unconsciousness and death.

Engine exhaust contains carbon monoxide which cannot be seen or smelled.

Do not inhale engine exhaust.

If at any time you smell engine exhaust inside the vehicle, open the windows immediately. Exposure to CO can cause unconsciousness and death by asphyxiation.

Be sure the exhaust system does not leak.

The exhaust system should be checked whenever the vehicle is raised to change the oil or for any other purpose. If you hear a change in the sound of the exhaust or if you drive over something that strikes the underneath side of the vehicle, we recommend that the exhaust system be checked as soon as possible by an authorized HYUNDAI dealer.

Do not run the engine in an enclosed area.

Letting the engine idle in your garage, even with the garage door open, is a hazardous practice. Run the engine only long enough to start the engine and to move the vehicle out of the garage.

Avoid idling the engine for prolonged periods with people inside the vehicle.

If it is necessary to idle the engine for a prolonged period with people inside the vehicle, be sure to do so only in an open area with the air intake set at “Fresh” and fan control set to high so fresh air is drawn into the interior.

Keep the air intakes clear.

To assure proper operation of the ventilation system, keep the ventilation air intakes located in front of the windshield clear of snow, ice, leaves, or other obstructions.

If you must drive with the tailgate open:

Close all windows.

Open instrument panel air vents.

Set the air intake control at “Fresh”, the air flow control at “Floor” or “Face”, and the fan control set to high.

BEFORE DRIVING

Before entering the vehicle

- Be sure all windows, outside mirror(s), and outside lights are clean and unobstructed.
- Remove frost, snow, or ice.
- Visually check the tires for uneven wear and damage.
- Check under the vehicle for any sign of leaks.
- Be sure there are no obstacles behind you if you intend to back up.

Before starting

- Make sure the hood, the tailgate, and the doors are securely closed and locked.
- Adjust the position of the seat and steering wheel.
- Adjust the inside and outside rear-view mirrors.
- Verify all the lights work.
- Fasten your seatbelt. Check that all passengers have fastened their seatbelts.
- Check the gauges and indicators in the instrument panel and the messages on the instrument display when the ignition switch is in the ON position.
- Check that any items you are carrying are stored properly or fastened down securely.



WARNING

To reduce the risk of **SERIOUS INJURY** or **DEATH**, take the following precautions:

- **ALWAYS** wear your seat belt. All passengers must be properly belted whenever the vehicle is moving.

For more information, refer to “Seat Belts” in chapter 2.

- **Always drive defensively.** Assume other drivers or pedestrians may be careless and make mistakes.
- **Stay focused on the task of driving.** Driver distraction can cause accidents.
- **Leave plenty of space between you and the vehicle in front of you.**



WARNING

NEVER drink or take drugs and drive.

Drinking or taking drugs and driving is dangerous and may result in an accident and SERIOUS INJURY or DEATH.

Drunk driving is the number one contributor to the highway death toll each year. Even a small amount of alcohol will affect your reflexes, perceptions and judgment. Just one drink can reduce your ability to respond to changing conditions and emergencies and your reaction time gets worse with each additional drink.

Driving while under the influence of drugs is as dangerous as or more dangerous than driving under the influence of alcohol.

You are much more likely to have a serious accident if you drink or take drugs and drive. If you are drinking or taking drugs, don't drive. Do not ride with a driver who has been drinking or taking drugs. Choose a designated driver or call a taxi.

IGNITION SWITCH

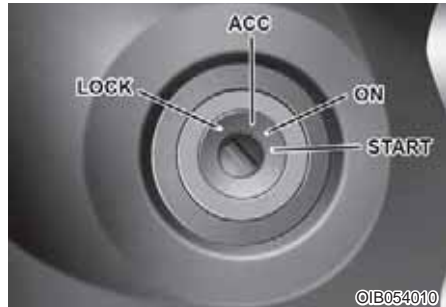


WARNING

To reduce the risk of **SERIOUS INJURY** or **DEATH**, take the following precautions:

- **NEVER** allow children or any person who is unfamiliar with the vehicle to touch the ignition switch or related parts. Unexpected and sudden vehicle movement can occur.
- **NEVER** reach through the steering wheel for the ignition switch, or any other control, while the vehicle is in motion. The presence of your hand or arm in this area may cause a loss of vehicle control resulting in an accident.

Key ignition switch (if equipped)



WARNING

- **NEVER** turn the ignition switch to the **LOCK** or **ACC** position while the vehicle is in motion except in an emergency. This will result in the engine turning off and loss of power assist for the steering and brake systems.

This may lead to loss of directional control and braking function, which could cause an accident.

- Before leaving the driver's seat, always make sure the shift lever is in 1st gear (for manual transmission vehicle) or P (Park) position (for dual clutch transmission vehicle), apply the parking brake, and turn ignition switch to the **LOCK** position.

Unexpected vehicle movement may occur if these precautions are not followed.

Key ignition switch positions

Switch Position	Action	Notice
LOCK	The ignition key can be removed in the LOCK position.	The steering wheel locks to protect the vehicle from theft. (if equipped)
ACC	Electrical accessories are usable.	The steering wheel unlocks. If difficulty is experienced turning the ignition switch to the ACC position, turn the key while turning the steering wheel right and left to release tension.
ON	This is the normal key position when the engine has started. All features and accessories are usable. The warning lights can be checked when you turn the ignition switch from ACC to ON.	Do not leave the ignition switch in the ON position when the engine is not running to prevent the battery from discharging.
START	To start the engine, turn the ignition switch to the START position. The switch returns to the ON position when you let go of the key.	The engine will crank until you release the key.

Starting the engine



WARNING

- **Always wear appropriate shoes when operating your vehicle. Unsuitable shoes, such as high heels, ski boots, sandals, flip-flops, etc., may interfere with your ability to use the brake, accelerator and clutch pedals.**
- **Do not start the vehicle with the accelerator pedal depressed. The vehicle can move and lead to an accident.**
- **Wait until the engine RPM is normal. The vehicle may suddenly move if the brake pedal is released when the RPM is high.**

Starting the petrol engine

Vehicle with manual transmission :

1. Make sure the parking brake is applied.
2. Make sure the shift lever is in neutral.
3. Depress the clutch and brake pedals.
4. Turn the ignition switch to the START position. Hold the key (maximum of 10 seconds) until the engine starts and release it.

Vehicle with dual clutch transmission :

1. Make sure the parking brake is applied.
2. Make sure the shift lever is in P (Park).
3. Depress the brake pedal.
4. Turn the ignition switch to the START position. Hold the key (maximum of 10 seconds) until the engine starts and release it.

Vehicle with Intelligent Manual Transmission :

1. Make sure the parking brake is applied.
2. Depress the brake pedal fully and shift the transmission into Neutral.
3. Keep the brake pedal depressed while turning the ignition switch to the start position.

If you turn the ignition switch to the start position without depressing the brake pedal, the engine will not start.

i Information

- **Do not wait for the engine to warm up while the vehicle remains stationary.**



Start driving at moderate engine speeds. (Steep accelerating and decelerating should be avoided.)

- **Always start the vehicle with your foot on the brake pedal. Do not depress the accelerator while starting the vehicle. Do not race the engine while warming it up.**



Starting the diesel engine

To start the diesel engine when the engine is cold, it has to be pre-heated before starting the engine and then have to be warmed up before starting to drive.

Vehicle with manual transmission :

1. Make sure the parking brake is applied.
2. Make sure the shift lever is in neutral.
3. Depress the clutch and brake pedals.
4. Turn the ignition switch to the ON position to pre-heat the engine. The glow indicator light () will illuminate.
5. When the glow indicator light () goes out, turn the key ignition switch to the START position. Hold the key (maximum of 10 seconds) until the engine starts and release it.

Vehicle with dual clutch transmission:

1. Make sure the parking brake is applied.
2. Make sure the shift lever is in P (Park).
3. Depress the brake pedal.
4. Turn the ignition switch to the ON position to pre-heat the engine. The glow indicator light () will illuminate.
5. When the glow indicator light () goes out, turn the key ignition switch to the START position. Hold the key (maximum of 10 seconds) until the engine starts and release it.

i Information

If the engine does not start within 10 seconds after preheating is completed, turn the ignition switch once more to the LOCK position and wait for 10 seconds. Then turn the ignition switch to the ON position in order to preheat the engine again.

Starting and stopping the engine for turbocharger intercooler

1. Do not race or accelerate the engine immediately after starting the engine.

If the engine is cold, idle for several seconds before sufficient lubrication is ensured in the turbo charger unit.

2. After high speed or extended driving that requires heavy engine load, idle the engine about one minute before turning the engine off.

This idle time will allow the turbocharger to cool prior to shutting the engine off.

NOTICE

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

NOTICE

To prevent damage to the vehicle:

- Do not hold the ignition key in the START position for more than 10 seconds. Wait 5 to 10 seconds before trying again.
- Do not turn the ignition switch to the START position with the engine running. It may damage the starter.
- If traffic and road conditions permit, you may put the shift lever in the N (Neutral) position while the vehicle is still moving and turn the ignition switch to the START position in an attempt to restart the engine.
- Do not push or tow your vehicle to start the engine.

Engine Start/Stop button (if equipped)



Whenever the front door is opened, the Engine Start/Stop button will illuminate and will go off 30 seconds after the door is closed.

WARNING

To reduce risk of serious injury or death, **NEVER** allow children or any person who is unfamiliar with the vehicle to touch the Engine Start/Stop button or related parts. Unexpected and sudden vehicle movement can occur.

WARNING

To turn the engine off in an emergency:

Press and hold the Engine Start/Stop button for more than two seconds **OR** Rapidly press and release the Engine Start/Stop button three times (within three seconds).

If the vehicle is still moving, you can restart the engine without depressing the brake pedal by pressing the Engine Start/Stop button with the shift lever in the N (Neutral) position.

WARNING



- **NEVER** press the Engine Start/Stop button while the vehicle is in motion except in an emergency. This will result in the engine turning off and loss of power assist for the steering and brake systems.

This may lead to loss of directional control and braking function, which could cause an accident.



- **Before** leaving the driver's seat, always make sure the shift lever is in neutral, set the parking brake, press the Engine Start/Stop button to the OFF position, and take the Smart Key with you. Unexpected vehicle movement may occur if these precautions are not followed.
- **NEVER** reach through the steering wheel for the Engine Start/Stop button or any other control while the vehicle is in motion. The presence of your hand or arm in this area may cause a loss of vehicle control resulting in an accident.

Engine Stop/Start button positions

- Vehicle with manual transmission



Button Position	Action	Notice
<p>OFF</p> 	<ul style="list-style-type: none"> To turn off the engine, stop the vehicle and then press the Engine Start/Stop button. The steering wheel locks to protect the vehicle from theft. 	<p>If the steering wheel is not locked properly when you open the driver's door, the warning chime will sound.</p>
<p>ACC</p> 	<ul style="list-style-type: none"> Press the Engine Start/Stop button when the button is in the OFF position without depressing the clutch pedal. Electrical accessories are usable. The steering wheel unlocks. 	<ul style="list-style-type: none"> If you leave the Engine Start/Stop button in the ACC position for more than one hour, the battery power will turn off automatically to prevent the battery from discharging. If the steering wheel doesn't unlock properly, the Engine Start/Stop button will not work. Press the Engine Start/Stop button while turning the steering wheel right and left to release tension.

- Vehicle with manual transmission



Button Position	Action	Notice
<p style="text-align: center;">ON</p> 	<ul style="list-style-type: none"> • Press the Engine Start/Stop button while it is in the ACC position without depressing the clutch pedal. • The warning lights can be checked before the engine is started. 	<p>Do not leave the Engine Start/Stop button in the ON position when the engine is not running to prevent the battery from discharging.</p>
<p style="text-align: center;">START</p> 	<p>To start the engine, depress the clutch and brake pedals and press the Engine Start/Stop button with the shift lever in neutral.</p>	<p>If you press the Engine Start/Stop button without depressing the clutch pedal, the engine does not start and the Engine Start/Stop button changes as follows: OFF → ACC → ON → OFF</p>

Engine Stop/Start button positions



- Vehicle with Intelligent Manual Transmission (iMT)

Button Position	Action	Notice
<p data-bbox="212 315 268 337">OFF</p> 	<ul data-bbox="357 315 699 456" style="list-style-type: none"> • To turn off the engine, stop the vehicle and then press the Engine Start/Stop button. • The steering wheel locks to protect the vehicle from theft. 	<p data-bbox="713 315 1053 418">If the steering wheel is not locked properly when you open the driver's door, the warning chime will sound.</p>
<p data-bbox="212 615 268 638">ACC</p> 	<ul data-bbox="357 615 699 821" style="list-style-type: none"> • Press the Engine Start/Stop button when the button is in the OFF position without depressing the brake pedal. • Electrical accessories are usable. • The steering wheel unlocks. 	<ul data-bbox="713 615 1053 979" style="list-style-type: none"> • If you leave the Engine Start/Stop button in the ACC position for more than one hour, the battery power will turn off automatically to prevent the battery from discharging. • If the steering wheel doesn't unlock properly, the Engine Start/Stop button will not work. Press the Engine Start/Stop button while turning the steering wheel right and left to release tension.



- Vehicle with Intelligent Manual Transmission (iMT)

Button Position	Action	Notice
<p>ON</p> 	<ul style="list-style-type: none"> • Press the Engine Start/Stop button while it is in the ACC position without depressing the brake pedal. • The warning lights can be checked before the engine is started. 	<p>Do not leave the Engine Start/Stop button in the ON position when the engine is not running to prevent the battery from discharging.</p>
<p>START</p> 	<p>To start the engine, depress the brake pedal and press the Engine Start/ Stop button with the shift lever in neutral.</p>	<p>If you press the Engine Start/ Stop button without depressing the brake pedal, the engine does not start and the Engine Start/Stop button changes as follows: OFF → ACC → ON → OFF</p>

Engine Stop/Start button positions
- Vehicle with dual clutch transmission

Button Position	Action	Notice
<p>OFF</p> 	<p>To turn off the engine, press the Engine Start/Stop button with shift lever in P (Park). When you press the Engine Start/Stop button without the shift lever in P (Park), the Engine Start/Stop button does not turn to the OFF position, but turns to the ACC position. The steering wheel locks to protect the vehicle from theft.</p>	<p>If the steering wheel is not locked properly when you open the driver's door, the warning chime will sound.</p>
<p>ACC</p> 	<p>Press the Engine Start/Stop button when the button is in the OFF position without depressing the brake pedal. Electrical accessories are usable. The steering wheel unlocks.</p>	<ul style="list-style-type: none"> • If you leave the Engine Start/Stop button in the ACC position for more than one hour, the battery power will turn off automatically to prevent the battery from discharging. • If the steering wheel doesn't unlock properly, the Engine Start/Stop button will not work. Press the Engine Start/Stop button while turning the steering wheel right and left to release tension.

- Vehicle with dual clutch transmission

Button Position	Action	Notice
<p style="text-align: center;">ON</p> 	<p>Press the Engine Start/Stop button while it is in the ACC position without depressing the brake pedal. The warning lights can be checked before the engine is started.</p>	<p>Do not leave the Engine Start/Stop button in the ON position when the engine is not running to prevent the battery from discharging.</p>
<p style="text-align: center;">START</p> 	<p>To start the engine, depress the brake pedal and press the Engine Start/Stop button with the shift lever in the P (Park) or in the N (Neutral) position. For your safety, start the engine with the shift lever in the P (Park) position.</p>	<p>If you press the Engine Start/Stop button without depressing the brake pedal, the engine does not start and the Engine Start/Stop button changes as follows: OFF → ACC → ON → OFF or ACC</p>

Starting the engine




WARNING

- Always wear appropriate shoes when operating your vehicle. Unsuitable shoes, such as high heels, ski boots, sandals, flip-flops, etc., may interfere with your ability to use the brake, accelerator and clutch pedals.
- Do not start the vehicle with the accelerator pedal depressed. The vehicle can move and lead to an accident.
- Wait until the engine rpm is normal. The vehicle may suddenly move if the brake pedal is released when the RPM is high.



Information

- The engine will start by pressing the Engine Start/Stop button, only when the smart key is in the vehicle.
- Even if the smart key is in the vehicle, if it is far away from the driver, the engine may not start.
- When the Engine Start/Stop button is in the ACC or ON position, if any door is open, the system checks for the smart key. If the smart key is not in the vehicle, the “” indicator will blink and the warning “Key not in vehicle” will come on, and if all doors are closed, the chime will also sound for about 5 seconds. The indicator will turn off while the vehicle is moving. Keep the smart key in the vehicle when using the ACC position or if the vehicle engine is ON.

Starting the petrol engine

Vehicle with manual transmission :

1. Always carry the smart key with you.
2. Make sure the parking brake is applied.
3. Make sure the shift lever is in neutral.
4. Depress the clutch and brake pedals.
5. Press the Engine Start/Stop button.

Vehicle with Intelligent Manual Transmission :

1. Make sure the parking brake is applied.
2. Depress brake pedal fully and shift the transmission into Neutral.
3. Keep the brake pedal depressed while pressing the ENGINE START/STOP button to the START position.

If you press the ENGINE START/STOP button to the START position without depressing the brake pedal, the engine will not start.

Vehicle with dual clutch transmission :

1. Always carry the smart key with you.
2. Make sure the parking brake is applied.
3. Make sure the shift lever is in P (Park).
4. Depress the brake pedal.
5. Press the Engine Start/Stop button.

i Information

- **Do not wait for the engine to warm up while the vehicle remains stationary.**

Start driving at moderate engine speeds. (Steep accelerating and decelerating should be avoided.)

- **Always start the vehicle with your foot on the brake pedal. Do not depress the accelerator while starting the vehicle. Do not race the engine while warming it up.**
- **When you start to drive, move the shift lever after checking the RPM(revolutions per minute) is in the proper range (under 1000 RPM) by depressing the clutch pedal and brake pedal.**

After releasing the parking brake, take your foot off the clutch and depress the accelerator slowly while starting your vehicle.

Starting the diesel engine

To start the diesel engine when the engine is cold, it has to be pre-heated before starting the engine and then have to be warmed up before starting to drive.

Vehicle with manual transmission :

1. Always carry the smart key with you.
2. Make sure the parking brake is applied.
3. Make sure the shift lever is in neutral.
4. Depress the clutch and brake pedals.
5. Press the Engine Start/Stop button.
6. Continue depressing the brake pedal until the glow indicator light (⏏) goes out.
7. When the glow indicator light (⏏) goes out, the engine will start.

When you start to drive, move the shift lever after checking the RPM(revolutions per minute) is in the proper range (under 1000 RPM) by depressing the clutch pedal and brake pedal.

After releasing the parking brake, take your foot off the clutch and depress the accelerator slowly while starting your vehicle.

Vehicle with dual clutch transmission:

1. Always carry the smart key with you.
2. Make sure the parking brake is applied.
3. Make sure the shift lever is in P (Park).
4. Depress the brake pedal.
5. Press the Engine Start/Stop button.
6. Continue depressing the brake pedal until the glow indicator light (⏏) goes out.
7. When the glow indicator light (⏏) goes out, the engine will start.

When you start to drive, move the shift lever after checking the RPM (revolutions per minute) is in the proper range (under 1000 RPM) by depressing the clutch pedal and brake pedal.

After releasing the parking brake, take your foot off the clutch and depress the accelerator slowly while starting your vehicle.

i Information

If the Engine Start/Stop button is pressed while the engine is pre-heating, the engine may start.

Starting and stopping the engine for turbocharger intercooler

1. Do not race or accelerate the engine immediately after starting the engine.
If the engine is cold, idle for several seconds before sufficient lubrication is ensured in the turbo charger unit.
2. After high speed or extended driving that requires heavy engine load, idle the engine about one minute before turning the engine off. This idle time will allow the turbocharger to cool prior to shutting the engine off.

NOTICE

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

NOTICE

To prevent damage to the vehicle:

- If the engine stalls while you are in motion, do not attempt to move the shift lever to the P (Park) position.

If traffic and road conditions permit, you may put the shift lever in the N (Neutral) position while the vehicle is still moving and press the Engine Start/Stop button in an attempt to restart the engine.

- Do not push or tow your vehicle to start the engine.

NOTICE

To prevent damage to the vehicle:

When the stop lamp fuse is blown, you can't start the engine normally. Replace the fuse with a new one. If you are not able to replace the fuse, you can start the engine by pressing and holding the Engine Start/Stop button for 10 seconds with the Engine Start/Stop button in the ACC position.

Do not press the Engine Start/Stop button for more than 10 seconds except when the stop lamp fuse is blown.

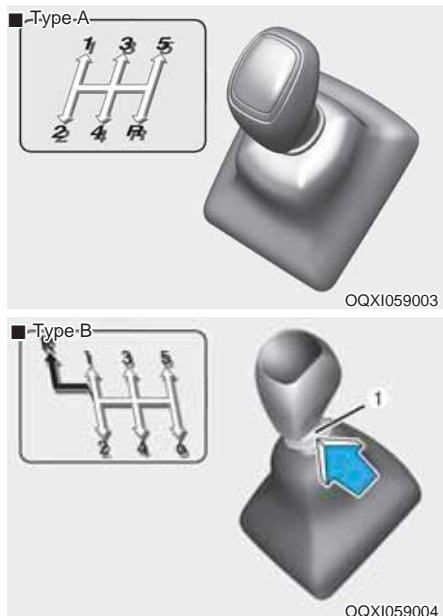
For your safety always depress the brake and/or clutch pedal before starting the engine.



i Information

If the smart key battery is weak or the smart key does not work correctly, you can start the engine by pressing the Engine Start/Stop button with the smart key in the direction of the picture above.

MANUAL TRANSMISSION (IF EQUIPPED)



- ➡ The shift lever can be moved without pressing the button (1).
- ➡ The button (1) must be pressed while moving the shift lever to R (Reverse).

Manual transmission operation

The manual transmission has 5 (or 6) forward gears. The transmission is fully synchronized in all forward gears so shifting to either a higher or a lower gear is easily accomplished.

WARNING

Before leaving the driver's seat, always make sure the shift lever is in 1st gear when the vehicle is parked on a uphill and in R (Reverse) on a downhill, set the parking brake, and place the ignition switch in the LOCK/OFF position. Unexpected vehicle movement may occur if these precautions are not followed.

To shift to R (Reverse), make sure the vehicle has completely stopped, and then move the shift lever to neutral before moving into R (Reverse).

When you've come to a complete stop and it's hard to shift into 1st gear or R (Reverse):

1. Put the shift lever in neutral and release the clutch pedal.
2. Depress the clutch pedal, and then shift into first or R (Reverse) gear.

Information

During cold weather, shifting may be difficult until the transmission lubricant has warmed up.

Using the clutch (if equipped)

The clutch pedal should be depressed all the way to the floor before:

- Starting the engine
The engine will not start without depressing the clutch pedal.
- Shifting
- To start your vehicle, slowly release the clutch pedal and depress the accelerator.

When releasing the clutch pedal, release it slowly. The clutch pedal should always be released while driving.

NOTICE

To prevent unnecessary wear or damage to the clutch:

- Do not rest your foot on the clutch pedal while driving.
- Do not hold the vehicle with the clutch on an incline, while waiting for the traffic light, etc.
- Always depress the clutch pedal down fully to prevent noise or damage.
- Do not start with the 2nd (second) gear engaged except when you start on a slippery road.
- Depress the clutch pedal all the way and be careful not to depress the pedal again before returning to the upright position after you release the pedal. If you depress the pedal before returning to the original position repeatedly, it may cause the clutch system failure.

Downshifting

Downshift when you must slow down in heavy traffic or drive up a steep hill to prevent engine load.

Also, downshifting reduces the chance of stalling and can accelerate when you need to increase your speed again.

When the vehicle is going downhill, downshifting helps maintain safe speed by providing brake power from the engine and enables less wear on the brakes.

NOTICE

To prevent damage to the engine, clutch and transmission :

- When downshifting from 5th gear to 4th gear, be careful not to inadvertently push the shift lever sideways engaging the 2nd gear. A drastic downshift may cause the engine speed to increase to the point the tachometer will enter the red-zone.
- Do not downshift more than two gear at a time or downshift the gear when the engine is running at high speed (5,000 RPM or higher). Such a downshifting may damage the engine, clutch and the transmission.

Good driving practices

- Never take the vehicle out of gear and coast down a hill. This is extremely dangerous.
- Don't "ride" the brakes. This can cause the brakes and related parts to overheat and malfunction.

When you are driving down a long hill, slow down and shift to a lower gear. Engine braking will help slow down the vehicle.

- Slow down before shifting to a lower gear. This will help avoid over-revving the engine, which can cause damage.
- Slow down when you encounter cross winds. This gives you much better control of your vehicle.
- Be sure the vehicle is completely stopped before you shift into R (Reverse) to prevent damage to the transmission.
- 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 may cause loss of vehicle control resulting in an accident



WARNING

Do not use the engine brake (shifting from a higher gear to lower gear) rapidly on slippery roads. The vehicle may slip causing an accident.



WARNING

To reduce the risk of SERIOUS INJURY or DEATH:

- **ALWAYS** wear your seatbelt. In a collision, an unbelted occupant is significantly more likely to be seriously injured or killed than a properly belted occupant.
- **Avoid high speeds when cornering or turning.**
- **Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.**
- **The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds.**
- **Loss of control often occurs if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.**
- **In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes.**
- **HYUNDAI recommends you follow all posted speed limits.**

INTELLIGENT MANUAL TRANSMISSION

Intelligent Manual Transmission (iMT) system use E-Clutch (Electronic Clutch) technology. Using the E-Clutch, the vehicle can cut engine drive off without pressing the clutch pedal by driver. The E-Clutch is controlled by an actuator that assists the driver in changing gear.

Intelligent Manual Transmission (iMT) technology improves driving convenience better than conventional Manual Transmission.

There is **NO CLUTCH PEDAL**.

The clutch is operated automatically, while shifting gear.

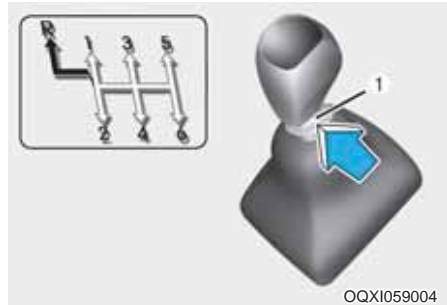
When the driver steps on the accelerator and tries to shift the gear, there could be a sense of obstruction compare to Manual Transmission.



To start engine, press the brake pedal and the shift lever at neutral position.

CAUTION

- **Do not press the brake pedal by mistake during gear shift.**
- **The vehicle may not move or move jerkily, if proper gear is not selected according to the speed.**
- **Use the 1st gear and the parking brake to avoid roll-back during hill start.**

Intelligent Manual Transmission operation



-  The shift lever can be moved without pressing the button (1).
-  The button (1) must be pressed while moving the shift lever to R (Reverse).

The Intelligent manual transmission has 6 forward gears.

This shift pattern is imprinted on the shift knob. The transmission is fully synchronized in all forward gears so shifting to either a higher or a lower gear is easily accomplished.

If your vehicle is equipped with an ignition lock switch, the engine will not start when starting the engine without depressing the brake pedal. (if equipped)

The shift lever must be returned to the neutral position before shifting into R (Reverse).

Push the button located immediately below the shift knob and pull the gearshift lever to the left sufficiently, and then shift into reverse (R) gear position.

Make sure the vehicle is completely stopped before shifting into R (Reverse).

Never operate the engine with the tachometer (RPM) in the red zone.

**CAUTION**

- When downshifting from fifth gear to fourth gear, caution should be taken not to inadvertently press the shift lever sideways in such a manner that the 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 and transmission may possibly cause engine damage.
- Do not downshift more than 2 gears or downshift the gear when the engine is running at high speed (5,000 RPM or higher). Such a downshifting may damage the engine, clutch and the transmission.
- During cold weather, shifting may be difficult until the transmission lubricant is warmed up. This is normal and not harmful to the transmission.
- If you've come to a complete stop and it's hard to shift into 1st or R(Reverse), leave the shift lever at N(Neutral) position . Then shift into 1st or R(Reverse) gear position.
- To avoid premature clutch wear and damage. Don't use the clutch to hold the vehicle stopped on an uphill grade, while waiting for a traffic light, etc.

- Do not use the shift lever as a handrest during driving, as this can result in premature wear of the transmission shift forks.
- To prevent possible damage to the clutch system, do not start with the 2nd (second) gear engaged except when you start on a slippery road.

**WARNING**

- Before leaving the driver's seat, always set the parking brake fully and shut the engine off. Then make sure the transmission is shifted into 1st gear when the vehicle is parked on a level or uphill grade, and shifted into R (Reverse) on a downhill grade. Unexpected and sudden vehicle movement can occur if these precautions are not followed in the order identified.
- Do not use the engine brake (shifting from a high gear to lower gear) rapidly on slippery roads. The vehicle may slip causing an accident.

Downshifting

When you must slow down in heavy traffic or while driving up steep hills, downshift before the engine starts to labor. Downshifting reduces the chance of stalling and gives better acceleration when you again need to increase your speed. When the vehicle is traveling down steep hills, downshifting helps maintain safe speed and prolongs brake life.

Good driving practices

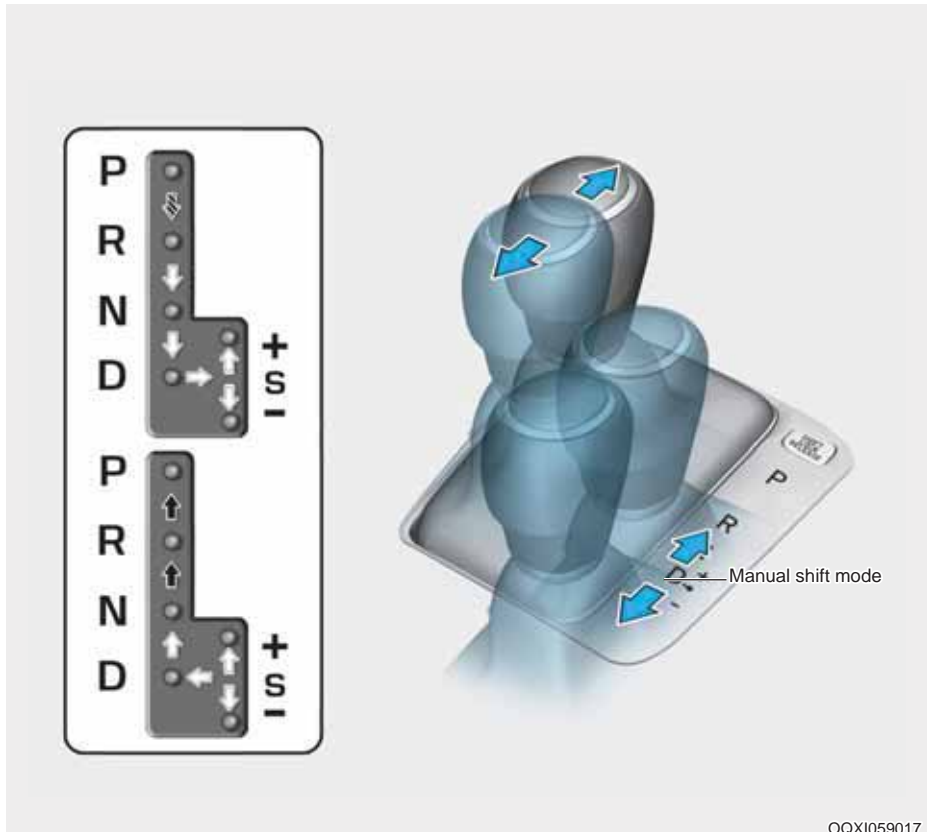
- Never take the vehicle out of gear and coast down a hill. This is extremely hazardous. Always leave the vehicle in gear.
- Don't "ride" the brakes. This can cause them to overheat and malfunction. Instead, when you are driving down a long hill, shift to a lower gear. When you do this, engine braking will help slow down the vehicle.
- Slow down before shifting to a lower gear. This will help avoid over-revving the engine, which can cause damage.
- Slow down when you encounter cross winds. This gives you much better control of your vehicle.
- Be sure the vehicle is completely stopped before you attempt to shift into reverse. The transmission can be damaged if you do not.
- Exercise extreme caution when driving on a slippery surface. Be especially careful when braking, accelerating or shifting gears. On a slippery surface, an abrupt change in vehicle speed can cause the drive wheels to lose traction and the vehicle to go out of control.






WARNING

- **Always buckle-up! In a collision, an unbelted occupant is significantly more likely to be seriously injured or killed than a properly belted occupant.**
- **Avoid high speeds when cornering or turning.**
- **Do not make quick steering wheel movements, such as sharp lane changes or fast, sharp turns.**
- **The risk of rollover is greatly increased if you lose control of your vehicle at highway speeds.**
- **Loss of control often occurs if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.**
- **In the event your vehicle leaves the roadway, do not steer sharply. Instead, slow down before pulling back into the travel lanes.**
- **Never exceed posted speed limits.**

DUAL CLUTCH TRANSMISSION (IF EQUIPPED)



QQXI059017

-  Depress the brake pedal and press the shift button while moving the shift lever.
-  Press the shift button while moving the shift lever.
-  The shift lever can freely operate.

Dual clutch transmission operation

The dual clutch transmission has seven forward speeds and one reverse speed.

The individual speeds are selected automatically when the shift lever is in the D (Drive) position.

- The dual clutch transmission can be thought of as an automatically shifting manual transmission. It gives the driving feel of a manual transmission, yet provides the ease of a fully automatic transmission.
- When D (Drive) is selected, the transmission will automatically shift through the gears similar to a conventional automatic transmission. Unlike a traditional automatic transmission, the gear shifting can sometimes be felt and heard as the actuators engage the clutches and the gears are selected.
- The dual clutch transmission incorporates a dry-type dual clutch mechanism, which allows for better acceleration performance and increased fuel efficiency while driving. But it differs from a conventional automatic transmission because it does not incorporate a torque converter. Instead, the transition from one gear to the next is managed by clutch slip, especially at lower speeds.

As a result, shifts are sometimes more noticeable, and a light vibration can be felt as the transmission shaft speed is matched with the engine shaft speed. This is a normal condition of the dual clutch transmission.

- The dry-type clutch transfers torque more directly and provides a direct-drive feeling which may feel different from a conventional automatic transmission. This may be more noticeable when launching the vehicle from a stop or when traveling at low, stop-and-go vehicle speeds.
- When rapidly accelerating from a lower vehicle speed, the engine RPM may increase dramatically as a result of clutch slip as the dual clutch transmission selects the correct gear. This is a normal condition.
- When accelerating from a stop on an incline, press the accelerator smoothly and gradually to avoid any shudder feeling or jerkiness.
- When traveling at a lower vehicle speed, if you release the accelerator pedal quickly, you may feel engine braking before the transmission changes gears. This engine braking feeling is similar to operating a manual transmission at low speed.
- When driving downhill, you may wish to move the gear shift lever to Manual Shift mode and downshift to a lower gear in order to control your speed without using the brake pedal excessively.
- When you turn the engine on and off, you may hear clicking sounds as the system goes through a self-test. This is a normal sound for the dual clutch transmission.
- During the first 1,500 km (1000 miles), you may feel that the vehicle may not be smooth when accelerating at low speed. During this break-in period, the shift quality and performance of your new vehicle is continuously optimized.

WARNING

To reduce the risk of serious injury or death:

- **ALWAYS** check the surrounding areas near your vehicle for people, especially children, before shifting a vehicle into D (Drive) or R (Reverse).
- Before leaving the driver's seat, always make sure the shift lever is in the P (Park) position, then set the parking brake, and place the ignition switch in the LOCK/OFF position. Unexpected and sudden vehicle movement can occur if these precautions are not followed.
- Do not use aggressive engine braking (shifting from a higher gear to a lower gear) on slippery roads. This could cause the tires to slip and may result in an accident.

NOTICE

- Always come to a complete stop before shifting into D (Drive) or R (Reverse).
- Do not put the shift lever in N (Neutral) while driving.

WARNING

If the transmission cannot shift into Drive or Reverse, the position indicator D or R) on the cluster will blink. We recommend that you contact an authorized Hyundai dealer to have the system checked.

LCD display for warning message

DCT warning messages

This warning message is displayed when vehicle is driven slowly on a grade and the vehicle detects that the brake pedal is not applied.



Steep grade

Driving up hills or on steep grades:

- To hold the vehicle on an incline use the foot brake or the parking brake.
- When in stop-and-go traffic on an incline, allow a gap to form ahead of you before moving the vehicle forward. Then hold the vehicle on the incline with the foot brake.
- If the vehicle is held on a hill by applying the accelerator pedal or by creeping with the brake pedal disengaged, the clutch and transmission may overheat which can result in damage. At this time, a warning message will appear on the LCD display.
- If the LCD warning is active, the foot brake must be applied.
- Ignoring the warnings can lead to damage to the transmission.



Transmission high temperature

- Under certain conditions, such as repeated stop-and-go launches on steep grades, sudden take off or acceleration, or other harsh driving conditions, the transmission clutch temperatures will increase excessively.
- When the clutch is overheated, the safe protection mode engages and the gear position indicator on the cluster blinks with a chime. At this time, “Transmission temp. is high! Stop safely” warning message will appear on the LCD display and driving may not be smooth.
- If this occurs, pull over to a safe location, stop the vehicle with the engine running, apply the brakes and shift the vehicle to P (Park) with engine on, and allow the transmission to cool.
- If you ignore this warning, the driving condition may become worse. You may experience abrupt shifts, frequent shifts, or jerkiness. To return to the normal driving condition, stop the vehicle and apply the foot brake or shift into P (Park). Then allow the transmission to cool for a few minutes with engine on, before driving off.
- When possible, drive the vehicle smoothly.



Transmission overheated

- If the vehicle continues to be driven and the clutch temperatures reach the maximum temperature limit, the “Trans Hot! Park with engine on” warning will be displayed. When this occurs the clutch is disabled until the clutch cools to normal temperatures.
- The warning will display a time to wait for the transmission to cool.

- If this occurs, pull over to a safe location, stop the vehicle with the engine running, apply the brakes and shift the vehicle to P (Park) with engine on, and allow the transmission to cool.
- When the message “Trans cooled. Resume driving.” appears you can continue to drive your vehicle.
- When possible, drive the vehicle smoothly.

If any of the warning messages in the LCD display continue to blink, for your safety, we recommend you contact an authorized HYUNDAI dealer and have the system checked.

Transmission ranges

The indicator in the instrument cluster displays the shift lever position when the ignition switch is in the ON position.

P (Park)

Always come to a complete stop before shifting into P (Park).

To shift from P (Park), you must depress firmly on the brake pedal and make sure your foot is off the accelerator pedal.

If you have done all of the above and still cannot shift the lever out of P (Park), see “Shift-Lock Release” in this chapter.

The shift lever must be in P (Park) before turning the engine off.



WARNING

- **Shifting into P (Park) while the vehicle is in motion may cause you to lose control of the vehicle.**
- **After the vehicle has stopped, always make sure the shift lever is in P (Park), apply the parking brake, and turn the engine off.**
- **When parking on an incline, block the wheels to prevent the vehicle from rolling down.**
- **For safety, always engage the parking brake with the shift lever in the P (Park) position except for the case of emergency parking.**

R (Reverse)

Use this position to drive the vehicle backward.

NOTICE

Always come to a complete stop before shifting into or out of R (Reverse); you may damage the transmission if you shift into R (Reverse) while the vehicle is in motion.

N (Neutral)

The wheels and transmission are not engaged.

Use N (Neutral) if you need to restart a stalled engine, or if it is necessary to stop with the engine ON. Shift into P (Park) if you need to leave your vehicle for any reason.

Always depress the brake pedal when you are shifting from N (Neutral) to another gear.

D (Drive)

This is the normal driving position. The transmission will automatically shift through a 7-gear sequence, providing the best fuel economy and power.

For extra power when passing another vehicle or driving uphill, depress the accelerator fully. The transmission will automatically downshift to the next lower gear (or gears, as appropriate).



Manual shift mode

Whether the vehicle is stationary or in motion, manual shift mode is selected by pushing the shift lever from the D (Drive) position into the manual gate. To return to D (Drive) range operation, push the shift lever back into the main gate.

In manual shift mode, moving the shift lever backwards and forwards will allow you to make gearshifts rapidly.

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

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

i Information

- Only the seven forward gears can be selected. To reverse or park the vehicle, move the shift lever to the R (Reverse) or P (Park) position as required.
- Downshifts are made automatically when the vehicle slows down. When the vehicle stops, 1st gear is automatically selected.
- When the engine RPM approaches the red zone the transmission will upshift automatically.
- If the driver presses the lever to + (Up) or - (Down) position, the transmission may not make the requested gear change if the next gear is outside of the allowable engine RPM range. The driver must execute upshifts in accordance with road conditions, taking care to keep the engine RPMs below the red zone.

Shift-lock system

For your safety, the dual clutch transmission has a shift-lock system which prevents shifting the transmission from P (Park) into R (Reverse) unless the brake pedal is depressed.

To shift the transmission from P (Park) into R (Reverse):

1. Depress and hold the brake pedal.
2. Start the engine or place the ignition switch in the ON position.
3. Move the shift lever.

Shift-lock release

If the shift lever cannot be moved from the P (Park) position into R (Reverse) position with the brake pedal depressed, continue depressing the brake, and then do the following:



1. Press the shift-lock release button.
2. Press and hold the lock release button on the shift lever.
3. Move the shift lever.
4. Have your vehicle inspected by an authorized HYUNDAI dealer immediately

Parking

Always come to a complete stop and continue to depress the brake pedal. Move the shift lever into the P (Park) position, apply the parking brake, and place the ignition switch in the LOCK/OFF position. Take the Key with you when exiting the vehicle.



WARNING

When you stay in the vehicle with the engine running, be careful not to depress the accelerator pedal for a long period of time. The engine or exhaust system may overheat and start a fire.

The exhaust gas and the exhaust system are very hot. Keep away from the exhaust system components.

Do not stop or park over flammable materials, such as dry grass, paper or leaves. They may ignite and cause a fire.

Good driving practices

- Never move the shift lever from P (Park) or N (Neutral) to any other position with the accelerator pedal depressed.
- Never move the shift lever into P (Park) when the vehicle is in motion.

Be sure the vehicle is completely stopped before you attempt to shift into R (Reverse) or D (Drive).

- Do not move the shift lever to N (Neutral) when driving. Doing so may result in an accident because of a loss of engine braking and the transmission could be damaged.
- Do not drive with your foot resting on the brake pedal. Even light, but consistent pedal pressure can result in the brakes overheating, brake wear and possibly even brake failure.
- Depressing both accelerator and brake pedals at the same time can trigger logic for engine power reduction to assure vehicle deceleration. Vehicle acceleration will resume after the brake pedal is released.
- When driving in Manual shift mode, slow down before shifting to a lower gear. Otherwise, the lower gear may not be engaged if the engine RPMs are outside of the allowable range.
- Always apply the parking brake when leaving the vehicle. Do not depend on placing the transmission in P (Park) to keep the vehicle from moving.

- Exercise extreme caution when driving on a slippery surface. Be especially careful when braking, accelerating or shifting gears. On a slippery surface, an abrupt change in vehicle speed can cause the drive wheels to lose traction and may cause loss of vehicle control resulting in an accident
- Optimum vehicle performance and economy is obtained by smoothly depressing and releasing the accelerator.



WARNING

To reduce the risk of **SERIOUS INJURY** or **DEATH**:

- **ALWAYS** wear your seatbelt. In a collision, an unbelted occupant is significantly more likely to be seriously injured or killed than a properly belted occupant.
- **Avoid high speeds** when cornering or turning.
- **Do not make quick steering wheel movements**, such as sharp lane changes or fast, sharp turns.
- **The risk of rollover is greatly increased** if you lose control of your vehicle at highway speeds.
- **Loss of control often occurs** if two or more wheels drop off the roadway and the driver oversteers to reenter the roadway.
- **In the event your vehicle leaves the roadway**, do not steer sharply. Instead, slow down before pulling back into the travel lanes.
- **HYUNDAI recommends you follow all posted speed limits.**

Paddle shifter



The paddle shifter is available when the shift lever is in the D (Drive) position.

With the shift lever in the D position

The paddle shifter will operate when the vehicle speed is more than 10km/h.

Pull the [+] or [-] paddle shifter once to shift up or down one gear and the system changes from automatic mode to manual mode.

When the vehicle speed is lower than 10km/h, if you depress the accelerator pedal for more than 5 seconds, the system changes from manual mode to automatic mode.

***i* Information**

If the [+] and [-] paddle shifters are pulled at the same time, gear shift may not occur.

BRAKING SYSTEM

Power brakes

Your vehicle has power-assisted brakes that adjust automatically through normal usage.

If the engine is not running or is turned off while driving, the power assist for the brakes will not work. You can still stop your vehicle by applying greater force to the brake pedal than typical. The stopping distance, however, will be longer than with power brakes.

When the engine is not running, the reserve brake power is partially depleted each time the brake pedal is applied. Do not pump the brake pedal when the power assist has been interrupted.

Pump the brake pedal only when necessary to maintain steering control on slippery surfaces.

Information

- When the brake pedal is depressed under certain driving conditions or weather conditions, you may temporarily hear a noise. This is normal and does not indicate a problem with your brakes.
- While driving on a road with deicing chemicals, brake noise or abnormal tire wear may occur due to deicing chemicals. In a safe traffic condition, additionally apply the brakes to remove deicing chemicals on the brake discs and pads.

WARNING

Take the following precautions:

- Do not drive with your foot resting on the brake pedal. This will create abnormal high brake temperatures, excessive brake lining and pad wear, and increased stopping distances.
- When descending a long or steep hill, shift to a lower gear and avoid continuous application of the brakes. Applying the brakes continuously will cause the brakes to overheat and could result in a temporary loss of braking performance.
- Wet brakes may impair the vehicle's ability to safely slow down; the vehicle may also pull to one side when the brakes are applied. Applying the brakes lightly will indicate whether they have been affected in this way. Always test your brakes in this fashion after driving through deep water. To dry the brakes, lightly tap the brake pedal to heat up the brakes while maintaining a safe forward speed until brake performance returns to normal. Avoid driving at high speeds until the brakes function correctly.

Disc brakes wear indicator

When your brake pads are worn and new pads are required, you will hear a high pitched warning sound from your front or rear brakes. You may hear this sound come and go or it may occur whenever you depress the brake pedal.

Please remember some driving conditions or climates may cause a brake squeal when you first apply (or lightly apply) the brakes. This is normal and does not indicate a problem with your brakes.

NOTICE

To avoid costly brake repairs, do not continue to drive with worn brake pads.

i Information

Always replace brake pads as complete front or rear axle sets.

Rear drum brakes

Your rear drum brakes do not have wear indicators. Therefore, have the rear brake linings inspected if you hear a rear brake rubbing noise. Also have your rear brakes inspected each time you change or rotate your tires and when you have the front brakes replaced.

Parking brake



Always set the parking brake before leaving the vehicle, to apply:

Firmly depress the brake pedal.

Pull up the parking brake lever as far as possible.

! WARNING

To reduce the risk of SERIOUS INJURY or DEATH, do not operate the parking brake while the vehicle is moving except in an emergency situation. It could damage the brake system and lead to an accident.



To release:

Firmly depress the brake pedal.

Slightly pull up the parking brake lever.

While pressing the release button (1), lower the parking brake (2).

If the parking brake does not release or does not release all the way, we recommend that the system be checked by an authorized HYUNDAI dealer.



WARNING

- **Whenever leaving the vehicle or parking, always come to a complete stop and continue to depress the brake pedal. Move the shift lever into the 1st gear (for manual transmission vehicle) or P (Park) position (for dual clutch transmission vehicle), then apply the parking brake, and place the ignition switch in the LOCK/OFF position.**

Vehicles with the parking brake not fully engaged are at risk for moving inadvertently and causing injury to yourself or others.

- **NEVER** allow anyone who is unfamiliar with the vehicle to touch the parking brake. If the parking brake is released unintentionally, serious injury may occur.
- Only release the parking brake when you are seated inside the vehicle with your foot firmly on the brake pedal.

NOTICE

- **Do not apply the accelerator pedal while the parking brake is engaged. If you depress the accelerator pedal with the parking brake engaged, warning will sound. Damage to the parking brake may occur.**
- **Driving with the parking brake on can overheat the braking system and cause premature wear or damage to brake parts. Make sure the parking brake is released and the Brake Warning Light is off before driving.**



Check the Parking Brake Warning Light by placing the ignition switch to the ON position (do not start the engine).

This light will be illuminated when the parking brake is applied with the ignition switch in the START or ON position.

Before driving, be sure the parking brake is released and the Brake Warning Light is OFF.

If the Parking Brake Warning Light remains on after the parking brake is released while engine is running, there may be a malfunction in the brake system. Immediate attention is necessary.

If at all possible, cease driving the vehicle immediately. If that is not possible, use extreme caution while operating the vehicle and only continue to drive the vehicle until you can reach a safe location.

Anti-lock Brake System (ABS)

WARNING

An Anti-Lock Braking System (ABS) will not prevent accidents due to improper or dangerous driving maneuvers. Even though vehicle control is improved during emergency braking, always maintain a safe distance between you and objects ahead of you. Vehicle speeds should always be reduced during extreme road conditions. The braking distance for cars equipped with ABS may be longer than for those without these systems in the following road conditions.

Drive your vehicle at reduced speeds during the following conditions:

- Rough, gravel or snow-covered roads.
- On roads where the road surface is pitted or has different surface height.
- Tire chains are installed on your vehicle.

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

ABS is an electronic braking system that helps prevent a braking skid. ABS allows the driver to steer and brake at the same time.

Using ABS

To obtain the maximum benefit from your ABS in an emergency situation, do not attempt to modulate your brake pressure and do not try to pump your brakes. Depress your brake pedal as hard as possible.

When you apply your brakes under conditions which may lock the wheels, you may hear sounds from the brakes, or feel a corresponding sensation in the brake pedal. This is normal and it means your ABS is active.

ABS does not reduce the time or distance it takes to stop the vehicle.

Always maintain a safe distance from the vehicle in front of you.

ABS will not prevent a skid that results from sudden changes in direction, such as trying to take a corner too fast or making a sudden lane change. Always drive at a safe speed for the road and weather conditions.

ABS cannot prevent a loss of stability. Always steer moderately when braking hard. Severe or sharp steering wheel movement can still cause your vehicle to veer into oncoming traffic or off the road.

On loose or uneven road surfaces, operation of the anti-lock brake system may result in a longer stopping distance than for vehicles equipped with a conventional brake system.

The ABS warning light ((ABS)) will stay on for several seconds after the ignition switch is in the ON position. During that time, the ABS will go through self-diagnosis and the light will go off if everything is normal. If the light stays on, you may have a problem with your ABS. We recommend that you contact an authorized HYUNDAI dealer as soon as possible.

WARNING

If the ABS warning light ((ABS)) is on and stays on, you may have a problem with the ABS. Your power brakes will work normally. To reduce the risk of serious injury or death, we recommend that you contact your HYUNDAI dealer as soon as possible.

CAUTION

When you drive on a road having poor traction, such as an icy road, and apply your brakes continuously, the ABS will be active continuously and the ABS warning light ((ABS)) may illuminate. Pull your car over to a safe place and turn the engine off.

Restart the engine. If the ABS warning light is off, then your ABS system is normal. Otherwise, you may have a problem with your ABS system. We recommend that you contact an authorized HYUNDAI dealer as soon as possible.

Information

When you jump start your vehicle because of a drained battery, the ABS warning light ((ABS)) may turn on at the same time. This happens because of the low battery voltage. It does not mean your ABS is malfunctioning. Have the battery recharged before driving the vehicle.

Electronic Stability Control (ESC) (if equipped)



The Electronic Stability Control (ESC) system helps to stabilize the vehicle during cornering maneuvers.

ESC checks where you are steering and where the vehicle is actually going.

ESC applies braking pressure to any one of the vehicle's brakes and intervenes in the engine management system to assist the driver with keeping the vehicle on the intended path. It is not a substitute for safe driving practices. Always adjust your speed and driving to the road conditions.

WARNING

Never drive too fast for the road conditions or too quickly when cornering. The ESC system will not prevent accidents.

Excessive speed in turns, abrupt maneuvers, and hydroplaning on wet surfaces can result in severe accidents.

ESC operation

ESC ON condition

When the ignition switch is in the ON position, the ESC and the ESC OFF indicator lights illuminate for approximately three seconds. After both lights go off, the ESC is enabled.

When operating



When the ESC is in operation, the ESC indicator light blinks:

- When you apply your brakes under conditions which may lock the wheels, you may hear sounds from the brakes, or feel a corresponding sensation in the brake pedal. This is normal and it means your ESC is active.
- When the ESC activates, the engine may not respond to the accelerator as it does under routine conditions.
- If the Cruise Control was in use when the ESC activates, the Cruise Control automatically disengages. The Cruise Control can be reengaged when the road conditions allow. **See “Cruise Control System” later in chapter 5** (if equipped).
- When moving out of the mud or driving on a slippery road, the engine RPM (revolutions per minute) may not increase even if you press the accelerator pedal deeply. This is to maintain the stability and traction of the vehicle and does not indicate a problem.

ESC OFF condition



To cancel ESC operation :

• State 1

Press the ESC OFF button briefly. The ESC OFF indicator light and/or message “Traction Control disabled” will illuminate (if equipped with supervision cluster). In this state, the traction control function of ESC (engine management) is disabled, but the brake control function of ESC (braking management) still operates.

• State 2

Press and hold the ESC OFF button continuously for more than 3 seconds. The ESC OFF indicator light and/or message “Traction & Stability Control disabled” illuminates (if equipped with supervision cluster) and a warning chime sounds. In this state, both the traction control function of ESC (engine management) and the brake control function of ESC (braking management) are disabled.

If the ignition switch is placed in the LOCK/OFF position when ESC is off, ESC remains off. Upon restarting the vehicle, the ESC will automatically turn on again.

Indicator lights

- ESC indicator light (blinks)



OTD059012

- ESC OFF indicator light (comes on)



OTD059013

When the ignition switch is in the ON position, the ESC indicator light illuminates, then goes off if the ESC system is operating normally.

The ESC indicator light blinks whenever the ESC is operating.

If the ESC indicator light stays on, your vehicle may have a malfunction with the ESC system. When this warning light illuminates we recommend that the vehicle be checked by an authorized HYUNDAI dealer as soon as possible.

The ESC OFF indicator light comes on when the ESC is turned off with the button.

WARNING

When the ESC is blinking, this indicates the ESC is active:

Drive slowly and NEVER attempt to accelerate. NEVER turn the ESC off while the ESC indicator light is blinking or you may lose control of the vehicle resulting in an accident.

NOTICE

Driving with wheels and tires with different sizes may cause the ESC system to malfunction. Before replacing tires, make sure all four tires and wheels are the same size. Never drive the vehicle with different sized wheels and tires installed.

ESC OFF usage

When Driving

The ESC OFF mode should only be used briefly to help free the vehicle if stuck in snow or mud, by temporarily stopping operation of the ESC, to maintain wheel torque.

To turn ESC off while driving, press the ESC OFF button while driving on a flat road surface.

NOTICE

To prevent damage to the transmission:

- Do not allow wheel(s) of one axle to spin excessively while the ESC, ABS, and parking brake warning lights are displayed. The repairs would not be covered by the vehicle warranty. Reduce engine power and do not spin the wheel(s) excessively while these lights are displayed.
- When operating the vehicle on a dynamometer, make sure the ESC is turned off (ESC OFF light illuminated).

i Information

Turning the ESC off does not affect ABS or standard brake system operation.

Vehicle Stability Management (VSM) (if equipped)

The Vehicle Stability Management (VSM) is a function of the Electronic Stability Control (ESC) system. It helps ensure the vehicle stays stable when accelerating or braking suddenly on wet, slippery and rough roads where traction over the four tires can suddenly become uneven.



WARNING

Take the following precautions when using the Vehicle Stability Management (VSM):

- **ALWAYS** check the speed and the distance to the vehicle ahead. The VSM is not a substitute for safe driving practices.
- Never drive too fast for the road conditions. The VSM system will not prevent accidents. Excessive speed in bad weather, slippery and uneven roads can result in severe accidents.

VSM operation

VSM ON condition

The VSM operates when:


- The Electronic Stability Control (ESC) is on.
- Vehicle speed is approximately above 15 km/h (9 mph) on curve roads.
- Vehicle speed is approximately above 20 km/h (12 mph) when the vehicle is braking on rough roads.

When operating



When you apply your brakes under conditions which may activate the ESC, you may hear sounds from the brakes, or feel a corresponding sensation in the brake pedal. This is normal and it means your VSM is active.

Information

The VSM does not operate when:

- Driving on a banked road such as gradient or incline
- Driving in reverse.
- The ESC OFF indicator light is on.
- The EPS (Electric Power Steering) warning light () is on or blinks.

WARNING

If the ESC indicator light () or EPS warning light () stays on or blinks, your vehicle may have a malfunction with the VSM system. When the warning light illuminates we recommend that the vehicle be checked by an authorized HYUNDAI dealer as soon as possible.

NOTICE

Driving with wheels and tires with different sizes may cause the ESC system to malfunction. Before replacing tires, make sure all four tires and wheels are the same size. Never drive the vehicle with different sized tires and wheels installed.

Hill-Start Assist Control (HAC) (if equipped)

The Hill-Start Assist Control (HAC) helps prevent the vehicle from rolling backwards when starting a vehicle from a stop on a hill. The system operates the brakes automatically for approximately 2 seconds and releases the brake after 2 seconds or when the accelerator pedal is depressed.



WARNING

Always be ready to depress the accelerator pedal when starting off on a incline. The HAC activates only for approximately 2 seconds.



Information

- The HAC does not operate when the shift lever is in P (Park) or N (Neutral).
- The HAC activates even when the ESC (Electronic Stability Control) is off. However, it does not activate, when the ESC does not operate normally.

Good braking practices



WARNING

Whenever leaving the vehicle or parking, always come to a complete stop and continue to depress the brake pedal. Move the shift lever into the 1st gear (for manual transmission vehicle) or P (Park) position (for dual clutch transmission vehicle), then apply the parking brake, and place the ignition switch in the LOCK/OFF position.

Vehicles with the parking brake not fully engaged are at risk for moving inadvertently and causing injury to yourself or others.

Wet brakes can be dangerous! The brakes may get wet if the vehicle is driven through standing water or if it is washed. Your vehicle will not stop as quickly if the brakes are wet. Wet brakes may cause the vehicle 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 vehicle 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 we recommend that you call an authorized HYUNDAI dealer for assistance.

DO NOT drive with your foot resting on the brake pedal. Even light, but constant pedal pressure can result in the brakes overheating, brake wear, and possibly even brake failure.

If a tire goes flat while you are driving, apply the brakes gently and keep the vehicle pointed straight ahead while you slow down. When you are moving slowly enough for it to be safe to do so, pull off the road and stop in a safe location.

Keep your foot firmly on the brake pedal when the vehicle is stopped to prevent the vehicle from rolling forward.

IDLE STOP AND GO (ISG) (IF EQUIPPED)

Idle Stop and Go helps reduce fuel consumption by automatically shutting down the engine, when the vehicle is at a standstill (i.e. red stop light, stop sign, and traffic jam) subject to certain prerequisite conditions being satisfied as listed below.

The engine is automatically started upon satisfying the starting conditions.

ISG system is always active, when the engine is running.

i Information

When the engine is automatically started by ISG system, warning lights (i.e. ABS, ESC, ESC OFF, EPS, and parking brake warning light) may illuminate for a few seconds due to low battery voltage.

However, it does not indicate a malfunction with ISG system.

ISG system operation

Prerequisite for activation

ISG system operates in the following situations.

- The driver's seatbelt is fastened
- The driver's door and hood are closed
- The brake vacuum pressure is adequate
- The battery sensor is activated and the battery is sufficiently charged
- Outside temperature is not too low or too high
- The vehicle is driven over a constant speed and stops
- The climate control system satisfies the conditions
- The vehicle is sufficiently warmed up
- ISG related parts are working properly
- The incline is gradual
- The steering wheel is turned less than 180 degrees and then the vehicle stops

i Information

ISG system is not activated, when the prerequisites to activate the ISG system are unsatisfied.

Auto stop

When ISG is on the engine will be stopped automatically when both of the following occurs:

1. Vehicle speed decreases to 0 km/h full stop condition.
2. Brake pedal is depressed and gear is in D (Drive) or N (Neutral).

The Auto Stop ((A)) indicator illuminates in green on the instrument cluster, when the engine stops.

i Information

Idle stop cannot reoccur again until the vehicle speed goes above 5 km/h and then returns again to the automatic stop conditions as previously mentioned.

In the Auto Stop mode, if the engine hood is opened, ISG system will be deactivated.

When the system is deactivated, the ISG off button indicator will illuminate and a message 'Auto Stop error. Shift to P or N to start engine manually' appears on the cluster LCD display with a warning sound.

If this occurs, depress the brake pedal and restart the engine manually.

Auto start

When the engine stops automatically by ISG, the engine will restart if one of the following is done.

- Release the brake pedal.
- While depressing the brake pedal, shift the gear from N (Neutral) or D (Drive) to R (Reverse) or P (Park).
- While depressing the brake pedal, shift the gear from N (Neutral) to D (Drive).

LCD display messages

The messages are displayed on the instrument cluster to help use ISG system.



Auto Stop is Off. Shift to P or N and start engine manually

When the system is deactivated, the ISG off button indicator will illuminate and a message will appear on the cluster LCD display with a warning sound in the following situations.

- When the engine hood is opened.
- When ISG system is not working normally.

If this occurs, depress the brake pedal and restart the engine manually. For your safety, restart the vehicle in the P (Park) position.



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AUTO STOP elapsed time

AUTO STOP display shows the elapsed time of engine stop by the Idle Stop and Go system.

You may check AUTO STOP elapsed time in the Utility view on the instrument cluster.

Refer to “LCD display modes” section in chapter 3.

ISG system off



Press the ISG OFF button to turn off ISG system. The ISG OFF button indicator will illuminate. To use the system, press the ISG OFF button again.

NOTICE

It is recommend to Switch Off the Idle Stop and Go function when driving in flooded areas, this will avoid electrical equipment damage due to water entry.

Forced to Restart Engine

The engine is automatically restarted in the following situations.

- The brake vacuum pressure is low
- The engine has stopped for about 5 minutes
- The air conditioning is ON with the fan speed set to a certain high level
- The front defroster is ON
- The battery is weak
- The cooling and heating performance of the climate control system is unsatisfactory
- The vehicle is shifted to P (Park) or R (Reverse)
- The door is opened or the seatbelt is unfastened
- The EPB switch is pressed when Auto Hold is activated

The Auto Stop ((A)) indicator blinks in green for 5 seconds on the instrument cluster when the engine is restarted.



WARNING

When the engine is in Idle Stop mode, the engine may restart without the driver taking any action. Before leaving the vehicle or working on the engine compartment, turn off the engine by placing the ignition switch to the OFF position.

ISG malfunction

ISG system may not operate when there is a malfunction with the ISG sensors or ISG system.

The following will occur, when there is a malfunction with the ISG system:

- The Auto Stop ((A)) indicator will illuminate in yellow on the instrument cluster.
- The light on the ISG OFF button will illuminate.

We recommend that you contact an authorized HYUNDAI dealer.

Calibrating the Battery Sensor

If the AGM battery is reconnected or replaced, ISG system will not operate immediately. If you want to use the system, the battery sensor needs to be calibrated following the below procedure.

1. Turn off the engine.
2. Disconnect all electronic devices that were additionally installed after the vehicle was delivered, such as navigation, dashcam, etc.
3. After 4 hours with the engine off, turn the engine on and off 3 to 4 times.

Information

The ISG system may not operate in the following situations.

- There is a malfunction with the ISG system.
- The battery is weak.
- The brake vacuum pressure is low.

If this occurs, have the ISG system checked by an authorized HYUNDAI dealer.

NOTICE

Use only a genuine HYUNDAI ISG battery for replacement. If not, the ISG system may not properly operate.

Do not recharge the ISG battery with a general battery charger. It may damage or explode the ISG battery.

Do not remove the battery cap. The battery electrolyte, which is harmful to the human body, may leak out.

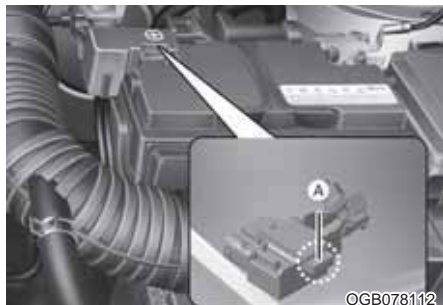
Information

- When you cannot turn OFF the ISG OFF button indicator by pressing the ISG OFF button, or when the malfunction with the ISG system persists, we recommend that you contact an authorized HYUNDAI dealer.
- You can turn off the ISG OFF button indicator by driving over 80 km/h (50 mph) for up to 2 hours with the fan speed below the 2nd position. If the ISG OFF button indicator remains ON, we recommend that you contact an authorized HYUNDAI dealer.

WARNING

When the engine is in auto stop mode, the engine may restart. Before leaving the vehicle or checking the engine compartment, stop the engine by placing the ignition switch to the LOCK/OFF position or removing the ignition key.

The battery sensor deactivation



[A] : Battery sensor

The battery sensor is deactivated, when the battery is disconnected from the negative pole for maintenance purpose.

In this case, the ISG system is limitedly operated due to the battery sensor deactivation. Thus, the driver needs to take the following procedures to reactivate the battery sensor after disconnecting the battery.

Prerequisites to reactivate the battery sensor

Keep the engine in the OFF status for 4 hours, and attempt to restart the engine 3 to 4 times for the battery-sensor reactivation.

Pay extreme caution not to connect any accessories (for example, navigation and black box) to the vehicle with the engine in the OFF status. If not, the battery sensor may not be reactivated.

***i* Information**

The ISG system may not operate in the following situations.

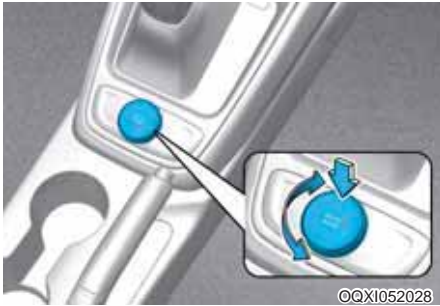
- **There is a malfunction with the IGS system.**
- **The battery is weak.**
- **The brake vacuum pressure is low.**

In those cases, we recommend that you have the ISG system checked by an authorized HYUNDAI dealer.

NOTICE

- **Use only the genuine HYUNDAI ISG battery for replacement. If not, the ISG system may not normally operate.**
- **Do not recharge the ISG battery with a general battery charger. If not, it may damage or explode the ISG battery.**
- **Do not remove the battery cap. If not, the battery electrolyte, which is harmful to the human body, may leak out.**

DRIVE MODE INTEGRATED CONTROL SYSTEM (IF EQUIPPED)



The DRIVE mode may be selected according to the driver's preference or road condition.

Drive mode

The mode changes whenever the DRIVE MODE selection knob is rotated.

NORMAL mode

NORMAL mode provides smooth driving and comfortable riding.

ECO mode



ECO mode helps improve fuel efficiency for eco-friendly driving.

Fuel efficiency varies according to the driver's driving habit and road condition.

- When ECO mode is selected, the ECO indicator will illuminate on the instrument cluster.
- When ECO mode is activated:
 - The acceleration response may be slightly reduced if the accelerator pedal is depressed moderately.
 - The air conditioner performance may be limited.
 - The shift pattern of the Intelligent variable transmission may change.
 - Engine noise may be louder at some Intelligent variable transmission shifts as down-shift requires pressing down more on the accelerator.


The above situations are normal conditions when ECO mode is activated to help improve fuel efficiency.

Limitations of ECO mode

If the following conditions occur while ECO mode is operating, the system operation is limited even though there is no change in the ECO indicator.

- When coolant temperature is low:
The system will be limited until engine performance becomes normal.
- When driving up a hill:
The system will be limited to gain power when driving uphill because engine torque is restricted.
- When driving the vehicle in manual shift mode using the paddle shifter.
The system will be limited according to the shift location.

SPORT mode

 SPORT mode provides sporty but firm riding.

In SPORT mode, the fuel efficiency may decrease.

- When SPORT mode is selected, the SPORT indicator will illuminate on the instrument cluster.
- Whenever the engine is restarted, the drive mode will revert back to NORMAL mode. If SPORT mode is desired, re-select SPORT mode.
- When SPORT mode is activated:
 - The engine rpm will tend to remain raised over a certain length of time even after releasing the accelerator
 - Upshifts are delayed when accelerating

SPECIAL DRIVING CONDITIONS

Hazardous driving conditions

When hazardous driving conditions are encountered such as water, snow, ice, mud or sand:

Drive cautiously and allow extra distance for braking.

Avoid sudden movements in braking or steering.

If stuck in snow, mud, or sand, use second gear. Accelerate slowly to avoid spinning the drive wheels.



WARNING

Downshifting with a dual clutch transmission, while driving on slippery surfaces can cause an accident. The sudden change in tire speed could cause the tires to skid. Be careful when downshifting on slippery surfaces.

Use sand, rock salt, or other non-slip material under the drive wheels to provide traction when stalled in ice, snow, or mud.

Rocking the vehicle

If it is necessary to rock the vehicle to free it from snow, sand, or mud, first turn the steering wheel right and left to clear the area around your front wheels. Then, shift back and forth between 1st and R (Reverse, for manual transmission vehicle) or R (Reverse) and a forward gear (for dual clutch transmission vehicle). Try to avoid spinning the wheels, and do not race the engine.

To prevent transmission wear, wait until the wheels stop spinning before shifting gears. Release the accelerator pedal while shifting, and press lightly on the accelerator pedal while the transmission is in gear. Slowly spinning the wheels in forward and reverse directions causes a rocking motion that may free the vehicle.

NOTICE

If the tires spin at high speed the tires can explode, and you or others may be injured. Do not attempt this procedure if people or objects are anywhere near the vehicle.

The vehicle can overheat causing an engine compartment fire or other damage. Spin the wheels as little as possible and avoid spinning the wheels at speeds over 56 km/h (35 mph) as indicated on the speedometer.

NOTICE

If you are still stuck after rocking the vehicle a few times, have the vehicle pulled out by a tow vehicle to avoid engine overheating, possible damage to the transmission, and tire damage. See “Towing” in chapter 6.

Smooth cornering

Avoid braking or gear changing in corners, especially when roads are wet. Ideally, corners should always be taken under gentle acceleration.

Driving at night

Night driving presents more hazards than driving in the daylight. Here are some important tips to remember:

- Slow down and keep more distance between you and other vehicles, as it may be more difficult to see at night, especially in areas where there may not be any street lights.
- Adjust your mirrors to reduce the glare from other driver's headlights.
- Keep your headlights clean and properly aimed. Dirty or improperly aimed headlights will make it much more difficult to see at night.
- Avoid staring directly at the headlights of oncoming vehicles. You could be temporarily blinded, and it will take several seconds for your eyes to readjust to the darkness.

Driving in the rain

Rain and wet roads can make driving dangerous. Here are a few things to consider when driving in the rain or on slick pavement:

- Slow down and allow extra following distance. A heavy rainfall makes it harder to see and increases the distance needed to stop your vehicle.
- Replace your windshield wiper blades when they show signs of streaking or missing areas on the windshield.
- Be sure your tires have enough tread. If your tires do not have enough tread, making a quick stop on wet pavement can cause a skid and possibly lead to an accident.
- Turn on your headlights to make it easier for others to see you.
- Driving too fast through large puddles can affect your brakes. If you must go through puddles, try to drive through them slowly.
- If you believe your brakes may be wet, apply them lightly while driving until normal braking operation returns.

Hydroplaning

If the road is wet enough and you are going fast enough, your vehicle may have little or no contact with the road surface and actually ride on the water. The best advice is **SLOW DOWN** when the road is wet. The risk of hydroplaning increases as the depth of tire tread decreases.

Driving in flooded areas

Avoid driving through flooded areas unless you are sure the water is no higher than the bottom of the wheel hub. Drive through any water slowly. Allow adequate stopping distance because brake performance may be reduced.

After driving through water, dry the brakes by gently applying them several times while the vehicle is moving slowly.

WINTER DRIVING

Snow or icy conditions

You need to keep sufficient distance between your vehicle and the vehicle in front of you.

Apply the brakes gently. Speeding, rapid acceleration, sudden brake applications, and sharp turns are potentially very hazardous practices. During deceleration, use engine braking to the fullest extent. Sudden brake applications on snowy or icy roads may cause skids to occur.

To drive your vehicle in deep snow, it may be necessary to use snow tires or to install tire chains on your tires.

Always carry emergency equipment. Some of the items you may want to carry include tire chains, tow straps or chains, a flashlight, emergency flares, sand, a shovel, jumper cables, a window scraper, gloves, ground cloth, coveralls, a blanket, etc.

Snow tires



WARNING

Snow tires should be equivalent in size and type to the vehicle's standard tires. Otherwise, the safety and handling of your vehicle may be adversely affected.

If you mount snow tires on your vehicle, make sure to use radial tires of the same size and load range as the original tires. Mount snow tires on all four wheels to balance your vehicle's handling in all weather conditions. The traction provided by snow tires on dry roads may not be as high as your vehicle's original equipment tires. Check with the tire dealer for maximum speed recommendations.

i Information

Do not install studded tires without first checking local and municipal regulations for possible restrictions against their use.

Tire chains



Since the sidewalls of radial tires are thinner than other types of tires, they may be damaged by mounting some types of tire chains on them. Therefore, the use of snow tires is recommended instead of tire chains. Do not mount tire chains on vehicles equipped with aluminum wheels; if unavoidable use a wire type chain. If tire chains must be used, use genuine HYUNDAI parts and install the tire chain after reviewing the instructions provided with the tire chains. Damage to your vehicle caused by improper tire chain use is not covered by your vehicle manufacturer's warranty.



WARNING

The use of tire chains may adversely affect vehicle handling:

- Drive less than 30 km/h (20 mph) or the chain manufacturer's recommended speed limit, whichever is lower.
- Drive carefully and avoid bumps, holes, sharp turns, and other road hazards, which may cause the vehicle to bounce.
- Avoid sharp turns or locked wheel braking.



Information

- Install tire chains on the front tires. It should be noted that installing tire chains on the tires will provide a greater driving force, but will not prevent side skids.
- Do not install tire chains without first checking local and municipal regulations for possible restrictions against their use.

Chain Installation

When installing tire chains, follow the manufacturer's instructions and mount them as tightly possible. Drive slowly (less than 30 km/h (20 mph)) with chains installed. If you hear the chains contacting the body or chassis, stop and tighten them. If they still make contact, slow down until the noise stops. Remove the tire chains as soon as you begin driving on cleared roads.

When mounting snow chains, park the vehicle on level ground away from traffic. Turn on the vehicle Hazard Warning Flasher and place a triangular emergency warning device behind the vehicle (if available). Always place the shift lever in neutral, apply the parking brake and turn off the engine before installing snow chains.

NOTICE

When using tire chains:

- Wrong size chains or improperly installed chains can damage your vehicle's brake lines, suspension, body and wheels.
- Use SAE "S" class or wire chains.
- If you hear noise caused by chains contacting the body, retighten the chain to prevent contact with the vehicle body.
- To prevent body damage, retighten the chains after driving 0.5~1.0 km (0.3~0.6 miles).
- Do not use tire chains on vehicles equipped with aluminum wheels. If unavoidable, use a wire type chain.
- Use wire chains less than 12 mm (0.47 in) wide to prevent damage to the chain's connection.

Winter precautions

Use high quality ethylene glycol coolant

Your vehicle is delivered with high quality ethylene glycol coolant in the cooling system. It is the only type of coolant that should be used because it helps prevent corrosion in the cooling system, lubricates the water pump and prevents freezing. Be sure to replace or replenish your coolant in accordance with the maintenance schedule in chapter 8. Before winter, have your coolant tested to assure that its freezing point is sufficient for the temperatures anticipated during the winter.

Check battery and cables

Winter puts additional burdens on the battery system. Visually inspect the battery and cables as described in chapter 8. The level of charge in your battery can be checked by an authorized HYUNDAI dealer or a service station.

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. If you aren’t sure what weight oil you should use, we recommend that you consult with an authorized HYUNDAI dealer.

Check spark plugs and ignition system

Inspect your spark plugs as described in chapter 8 and replace them if necessary. Also check all ignition wiring and components to be sure they are not cracked, worn or damaged in any way.

To keep locks from freezing

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

Use approved window washer anti-freeze in system

To keep the water in the window washer system from freezing, add an approved window washer anti-freeze solution in accordance with instructions on the container. Window washer anti-freeze is available from an authorized HYUNDAI dealer and most auto parts outlets. Do not use engine coolant or other types of anti-freeze as these may damage the paint finish.

Don't let your parking brake freeze

Under some conditions your parking brake can freeze in the engaged position. This is most likely to happen when there is an accumulation of snow or ice around or near the rear brakes or if the brakes are wet. If there is a risk the parking brake may freeze, apply it only temporarily while you put the shift lever in P (for dual clutch transmission) or in first or reverse gear (for manual transmission) and block the rear wheels so the vehicle cannot roll. Then release the parking brake.

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.

Carry emergency equipment

Depending on the severity of the weather, 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, shovel, jumper cables, window scraper, gloves, ground cloth, coveralls, blanket, etc.

Don't place foreign objects or materials in the engine compartment

Placement of foreign objects or materials which prevent cooling of the engine, in the engine compartment, may cause a failure or combustion. The manufacturer is not responsible for the damage caused by such placement.

Drive your vehicle when water vapor condenses and accumulates inside the exhaust pipes

When the vehicle is stopped for a long time in winter while the engine is running, water vapor may condense and accumulate inside the exhaust pipes. Water in the exhaust pipes may cause noise, etc., but it is drained driving at medium to high speed.

VEHICLE WEIGHT

Two labels on your driver's door sill show how much weight your vehicle was designed to carry: the Tire and Loading Information Label and the Certification Label.

Before loading your vehicle, familiarize yourself with the following terms for determining your vehicle's weight ratings, from the vehicle's specifications and the Certification Label:

Base Curb Weight

This is the weight of the vehicle including a full tank of fuel and all standard equipment. It does not include passengers, cargo, or optional equipment.

Vehicle Curb Weight

This is the weight of your new vehicle when you picked it up from your dealer plus any aftermarket equipment.

Cargo Weight

This figure includes all weight added to the Base Curb Weight, including cargo and optional equipment.

GAW (Gross Axle Weight)

This is the total weight placed on each axle (front and rear) - including vehicle curb weight and all payload.

GAWR (Gross Axle Weight Rating)

This is the maximum allowable weight that can be carried by a single axle (front or rear). These numbers are shown on the Certification Label. The total load on each axle must never exceed its GAWR.

GVW (Gross Vehicle Weight)

This is the Base Curb Weight plus actual Cargo Weight plus passengers.

GVWR (Gross Vehicle Weight Rating)

This is the maximum allowable weight of the fully loaded vehicle (including all options, equipment, passengers and cargo). The GVWR is shown on the Certification Label located on the driver's door sill.

Overloading



WARNING

The Gross Axle Weight Rating (GAWR) and the Gross Vehicle Weight Rating (GVWR) for your vehicle are on the Certification Label attached to the driver's (or front passenger's) door. Exceeding these ratings can cause an accident or vehicle damage. You can calculate the weight of your load by weighing the items (and people) before putting them in the vehicle. Be careful not to overload your vehicle.

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HAZARD WARNING FLASHER



The hazard warning flasher serves as a warning to other drivers to exercise extreme caution when approaching, overtaking, or passing your vehicle.

It should be used whenever emergency repairs are being made or when the vehicle is stopped near the edge of a roadway.

To turn the hazard warning flasher on or off, press the hazard warning flasher button with the ignition switch in any position. The button is located in the center console switch panel.

All turn signal lights will flash simultaneously.

- The hazard warning flasher operates whether your vehicle is running or not.
- The turn signals do not work when the hazard flasher is on.

IN CASE OF AN EMERGENCY WHILE DRIVING

If the engine stalls while driving

- Reduce your speed gradually, keeping a straight line. Move cautiously off the road to a safe place.
- Turn on your hazard warning flasher.
- Try to start the engine again. If your vehicle will not start, we recommend that you contact an authorized HYUNDAI dealer.

If the engine stalls at a crossroad or crossing

If the engine stalls at a crossroad or crossing, if safe to do so, move the shift lever to the N (Neutral) position and then push the vehicle to a safe location.

- If your vehicle has a manual transmission not equipped with a ignition lock switch, the vehicle can move forward by shifting to the 2(second) or 3(third) gear and then turning the starter without depressing the clutch pedal.

If you have a flat tire while driving

If a tire goes flat while you are driving:

- Take your foot off the accelerator pedal and let the vehicle slow down while driving straight ahead. Do not apply the brakes immediately or attempt to pull off the road as this may cause loss of vehicle control resulting in an accident. When the vehicle 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.
- When the vehicle is stopped, press the hazard warning flasher button, move the shift lever into P (Park, for dual clutch transmission vehicle) or neutral (for manual transmission vehicle), apply the parking brake, and place the ignition switch in the LOCK/OFF position.
- Have all passengers get out of the vehicle. Be sure they all get out on the side of the vehicle that is away from traffic.
- When changing a flat tire, follow the instructions provided later in this chapter.

IF THE ENGINE WILL NOT START

If the engine doesn't turn over or turns over slowly

- Be sure the shift lever is in N (Neutral) or P (Park) if it is a dual clutch transmission vehicle. The engine starts only when the shift lever is in N (Neutral) or P (Park).
- Check the battery connections to be sure they are clean and tight.
- Turn on the interior light. If the light dims or goes out when you operate the starter, the battery is drained.

Do not push or pull the vehicle to start it. This could cause damage to your vehicle.

See instructions for “Jump Starting” provided in this chapter.



WARNING

Push or pull starting the vehicle may cause the catalytic converter to overload which can lead to damage to the emission control system.

If the engine turns over normally but doesn't start

- Check the fuel level and add fuel if necessary.

If the engine still does not start, we recommend that you call an authorized HYUNDAI dealer for assistance.

JUMP STARTING

Jump starting can be dangerous if done incorrectly. Follow the jump starting procedure in this section to avoid serious injury or damage to your vehicle. If in doubt about how to properly jump start your vehicle, we strongly recommend that you have a service technician or towing service do it for you.

WARNING

To prevent **SERIOUS INJURY** or **DEATH** to you or bystanders, always follow these precautions when working near or handling the battery:



Always read and follow instructions carefully when handling a battery.



Wear eye protection designed to protect the eyes from acid splashes.



Keep all flames, sparks, or smoking materials away from the battery.



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



Keep batteries out of reach of children.



Batteries contain sulfuric acid which is highly corrosive. Do not allow acid to contact your eyes, skin or clothing.

If acid gets into your eyes, flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If acid gets on your skin, thoroughly wash the area. If you feel pain or a burning sensation, get medical attention immediately.

- When lifting a plastic-cased battery, excessive pressure on the case may cause battery acid to leak. Lift with a battery carrier or with your hands on opposite corners.
- Do not attempt to jump start your vehicle if your battery is frozen.
- NEVER attempt to recharge the battery when the vehicle's battery cables are connected to the battery.
- The electrical ignition system works with high voltage. NEVER touch these components with the engine running or when the ignition switch is in the ON position.
- Do not allow the (+) and (-) jumper cables to touch. It may cause sparks.
- The battery may rupture or explode when you jump start with a low or frozen battery.
- Never attempt jump start if you observe cracks, leaks or other damage on Battery.

CAUTION

- Improper jump starting procedure can result in battery explosion and acid burn hazard.
- Loosely connected battery cables could damage the electronic control units.
- To disconnect battery terminals wait for at least 2 minutes to allow discharge of high voltage or it could lead to personal injury.
- While disconnecting, always disconnect the -VE terminal first and while connecting, always connect the -VE terminal last.

NOTICE

To prevent damage to your vehicle:

- Only use a 12-volt power supply (battery or jumper system) to jump start your vehicle.
- Do not attempt to jump start your vehicle by push-starting.

i Information



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

WARNING

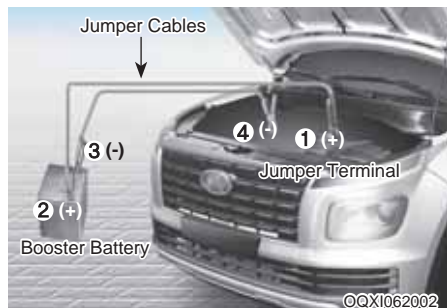
While jump starting your vehicle, avoid the positive (+) and negative (-) cables to come in contact. A spark could cause personal injury.

CAUTION

Before jump starting, make sure to correctly identify the positive (+) and negative (-) terminals to avoid reverse polarity connections.

Jump starting procedure

1. Position the vehicles close enough that the jumper cables will reach, but do not allow the vehicles to touch.
2. Avoid fans or any moving parts in the engine compartment at all times, even when the vehicles are turned off.
3. Turn off all electrical devices such as radios, lights, air conditioning, etc. Put the vehicles in P (Park, for dual clutch transmission vehicle) or neutral (for manual transmission vehicle), and set the parking brakes. Turn both vehicles OFF.



4. Connect the jumper cables in the exact sequence shown in the illustration. First connect one jumper cable to the red, positive (+) jumper terminal of your vehicle (1).
5. Connect the other end of the jumper cable to the red, positive (+) battery/jumper terminal of the assisting vehicle (2).

6. Connect the second jumper cable to the black, negative (-) battery/chassis ground of the assisting vehicle (3).
7. Connect the other end of the second jumper cable to the black, negative (-) chassis ground of your vehicle (4).
Do not allow the jumper cables to contact anything except the correct battery or jumper terminals or the correct ground. Do not lean over the battery when making connections.
8. Start the engine of the assisting vehicle and let it run at approximately 2,000 RPM for a few minutes. Then start your vehicle.

If your vehicle will not start after a few attempts, it probably requires servicing. In this event please seek qualified assistance. If the cause of your battery discharging is not apparent, we recommend that your vehicle be checked by an authorized HYUNDAI dealer.



WARNING

Do not connect the jumper cable to the negative (-) jumper terminal of the discharged battery. A spark could cause the battery to explode and lead to a personal injury or vehicle damage.

Disconnect the jumper cables in the exact reverse order you connected them:

1. Disconnect the jumper cable from the black, negative (-) chassis ground of your vehicle (4).
2. Disconnect the other end of the jumper cable from the black, negative (-) battery/chassis ground of the assisting vehicle (3).
3. Disconnect the second jumper cable from the red, positive (+) battery/jumper terminal of the assisting vehicle (2).
4. Disconnect the other end of the jumper cable from the red, positive (+) jumper terminal of your vehicle (1).

IF THE ENGINE OVERHEATS

If your temperature gauge indicates overheating, you experience a loss of power, or hear loud pinging or knocking, the engine may be overheating. If this happens, you should:

1. Pull off the road and stop as soon as it is safe to do so.
2. Place the shift lever in P (Park, for dual clutch transmission vehicle) or neutral (for manual transmission vehicle) and set the parking brake. If the air conditioning is ON, turn it OFF.
3. If engine coolant is running out under the vehicle or steam is coming out from the hood, stop the engine. Do not open the hood until the coolant has stopped running or the steaming has stopped. If there is no visible loss of engine coolant and no steam, leave the engine running and check to be sure the engine cooling fan is operating. If the fan is not running, turn the engine off.

WARNING



While the engine is running, keep hands, clothing and tools away from the moving parts such as the cooling fan and drive belt to prevent serious injury.

4. Check for coolant leaking from the radiator, hoses or under the vehicle. (If the air conditioning had been in use, it is normal for cold water to be draining from it when you stop.)
5. If engine coolant is leaking out, stop the engine immediately and we recommend that you call an authorized HYUNDAI dealer for assistance.

WARNING



NEVER remove the radiator cap or the drain plug while the engine and radiator are hot. Hot coolant and steam may

blow out under pressure, causing serious injury.

Turn the engine off and wait until the engine cools down. Use extreme care when removing the radiator cap. Wrap a thick towel around it, and turn it counterclockwise slowly to the first stop. Step back while the pressure is released from the cooling system. When you are sure all the pressure has been released, press down on the cap, using a thick towel, and continue turning counterclockwise to remove it.

6. If you cannot find the cause of the overheating, wait until the engine temperature has returned to normal. Then, if coolant has been lost, carefully add coolant to the reservoir to bring the fluid level in the reservoir up to the halfway mark.
7. Proceed with caution, keeping alert for further signs of overheating. If overheating happens again, we recommend that you call an authorized HYUNDAI dealer for assistance.

NOTICE

- **Serious loss of coolant indicates a leak in the cooling system and we recommend the system be checked by an authorized HYUNDAI dealer.**
- **When the engine overheats from low engine coolant, suddenly adding engine coolant may cause cracks in the engine. To prevent damage, add engine coolant slowly in small quantities.**

TIRE PRESSURE MONITORING SYSTEM (TPMS) (IF EQUIPPED) (TYPE A)



Low tire pressure telltale /
TPMS malfunction indicator

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated.

Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

i Information

If the TPMS indicator does not illuminate for 3 seconds when the ignition switch is turned to the ON position or engine is running, or if it comes on after blinking for approximately one minute, we recommend that you contact an authorized HYUNDAI dealer.



Low tire pressure telltale

When the tire pressure monitoring system warning indicator is illuminated, one or more of your tires is significantly under-inflated.

If the telltale illuminates, immediately reduce your speed, avoid hard cornering and anticipate increased stopping distances. You should stop and check your tires as soon as possible. Inflate the tires to the proper pressure as indicated on the vehicle's placard or tire inflation pressure label located on the driver's side center pillar outer panel. If you cannot reach a service station or if the tire cannot hold the newly added air, replace the low pressure tire with the spare tire.

Then the Low Tire Pressure telltale may flash for approximately one minute and then remain continuously illuminated after restarting and about 10 minutes of continuous driving before you have the low pressure tire repaired and replaced on the vehicle.

NOTICE

In winter or cold weather, the low tire pressure telltale may be illuminated if the tire pressure was adjusted to the recommended tire inflation pressure in warm weather. It does not mean your TPMS is malfunctioning because the decreased temperature leads to a proportional lowering of tire pressure.

When you drive your vehicle from a warm area to a cold area or from a cold area to a warm area, or the outside temperature is greatly higher or lower, you should check the tire inflation pressure and adjust the tires to the recommended tire inflation pressure.



WARNING

Low pressure damage

Significantly low tire pressure makes the vehicle unstable and can contribute to loss of vehicle control and increased braking distances.

Continued driving on low pressure tires can cause the tires to overheat and fail.



TPMS (Tire Pressure Monitoring System) malfunction indicator

The TPMS malfunction indicator will illuminate after it blinks for approximately one minute when there is a problem with the Tire Pressure Monitoring System. If the system is able to correctly detect an under inflation warning at the same time as system failure then it will illuminate the TPMS malfunction indicator.

We recommend that the system be checked by an authorized HYUNDAI dealer.

NOTICE

- **The TPMS malfunction indicator may be illuminated if the vehicle is moving around electric power supply cables or radios transmitter such as at police stations, government and public offices, broadcasting stations, military installations, airports, or transmitting towers, etc. This can interfere with normal operation of the Tire Pressure Monitoring System (TPMS).**
- **The TPMS malfunction indicator may illuminate if snow chains or some separately purchased devices such as notebook computers, mobile charger, remote starter, navigation etc. are used in the vehicle. This can interfere with normal operation of the Tire Pressure Monitoring System (TPMS).**

Changing a tire with TPMS

If you have a flat tire, the Low Tire Pressure will come on. We recommend that the flat tire be checked by an authorized HYUNDAI dealer.

NOTICE

We recommend that you use a puncture-repairing agent approved by HYUNDAI.

The sealant on the tire pressure sensor and wheel shall be eliminated when you replace the tire with a new one.

Each wheel is equipped with a tire pressure sensor mounted inside the tire behind the valve stem. You must use TPMS specific wheels. It is recommended that you have your tires serviced by an authorized HYUNDAI dealer.

Even if you replace the low pressure tire with the spare tire, the Low Tire Pressure Telltale will blink or remain on until the low pressure tire is repaired and placed on the vehicle.

After you replace the low pressure tire with the spare tire, the Low Tire Pressure Telltale may blink or illuminate after a few minutes because the TPMS sensor mounted on the spare wheel is not initiated.

Once the low pressure tire is re-inflated to the recommended pressure and installed on the vehicle or the new TPMS sensor mounted on the wheel, the TPMS malfunction indicator and the low tire pressure and position telltales will turn off within a few minutes of driving.

If the indicator does not turn off after a few minutes of driving, we recommend that the system be checked by an authorized HYUNDAI dealer.

NOTICE

If original mounted tire is replaced with the spare tire, the TPMS sensor on the replaced spare wheel should be initiated and we recommend that the TPMS sensor on the original mounted wheel be deactivated by a HYUNDAI dealer. If the TPMS sensor on the original mounted wheel located in the spare tire carrier still activates, the tire pressure monitoring system may not operate properly. We recommend that the system be serviced by an authorized HYUNDAI dealer.

You may not be able to identify a low tire by simply looking at it. Always use a good quality tire pressure gauge to measure the tire's inflation pressure. Please note that a tire that is hot (from being driven) will have a higher pressure measurement than a tire that is cold.

A cold tire means the vehicle is in parked position for at least 3 hours or driven less than 1.6 km (1 mile) in that period.

Allow the tire to cool before measuring the inflation pressure. Always be sure the tire is cold before inflating to the recommended pressure.

NOTICE

We recommend that you use the tire sealant approved by HYUNDAI if your vehicle is equipped with a Tire Pressure Monitoring System. The liquid sealant can damage the tire pressure sensors.



WARNING

TPMS

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



WARNING

Protecting TPMS

Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may interfere with the system's ability to warn the driver of low tire pressure conditions and/or TPMS malfunctions. Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may void the warranty for that portion of the vehicle.

TIRE PRESSURE MONITORING SYSTEM (TPMS) (IF EQUIPPED) (TYPE B)



- (1) Low Tire Pressure Telltale/TPMS Malfunction Indicator
- (2) Low Tire Pressure Position Telltale and Tire Pressure Telltale (Shown on the LCD display)

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated.

This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

NOTICE

If the TPMS indicator does not illuminate for 3 seconds when the ignition switch is turned to the ON position or engine is running, or if it comes on after blinking for approximately one minute, we recommend that you contact an authorized HYUNDAI dealer.

Low tire pressure telltale



When the tire pressure monitoring system warning indicator is illuminated and warning message displayed on the cluster LCD display, one or more of your tires is significantly under-inflated.

If the telltale illuminates, immediately reduce your speed, avoid hard cornering and anticipate increased stopping distances. You should stop and check your tires as soon as possible. Inflate the tires to the proper pressure as indicated on the vehicle's placard or tire inflation pressure label located on the driver's side center pillar outer panel. If you cannot reach a service station or if the tire cannot hold the newly added air, replace the low pressure tire with the spare tire.

Then the Low Tire Pressure telltale may flash for approximately one minute and then remain continuously illuminated after restarting and about 10 minutes of continuous driving before you have the low pressure tire repaired and replaced on the vehicle.

Check tire pressure (if equipped)



- You can check the tire pressure in the Drive Assist mode on the cluster.

Refer to the “LCD Display Modes” in chapter 3.

- Tire pressure is displayed after a few minutes of driving after initial engine start up.
- If tire pressure is not displayed when the vehicle is stopped, “Drive to display” message will appear. After driving, check the tire pressure.
- The displayed tire pressure values may differ from those measured with a tire pressure gauge.

Tire pressure monitoring system



WARNING

Over-inflation or under-inflation can reduce tire life, adversely affect vehicle handling, and lead to sudden tire failure that may cause loss of vehicle control resulting in an accident.

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure.

Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale.

Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists.

When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly.

Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

NOTICE

If any of the below happens, we recommend that you have the system checked by an authorized HYUNDAI dealer.

1. The Low Tire Pressure Telltale/TPMS Malfunction Indicator does not illuminate for 3 seconds when the ignition switch is placed to the ON position or engine is running.
2. The TPMS Malfunction Indicator remains illuminated after blinking for approximately 1 minute.
3. The Low Tire Pressure Position Telltale remains illuminated.



Low tire pressure telltale

Low tire pressure position and tire pressure telltale



OCN7040026L

When the tire pressure monitoring system warning indicators are illuminated and a warning message displayed on the cluster LCD display, one or more of your tires is significantly under-inflated. The Low Tire Pressure Position Telltale will indicate which tire is significantly under-inflated by illuminating the corresponding position light.

If either telltale illuminates, immediately reduce your speed, avoid hard cornering and anticipate increased stopping distances. You should stop and check your tires as soon as possible. Inflate the tires to the proper pressure as indicated on the vehicle's placard or tire inflation pressure label located on the driver's side center pillar outer panel.

If you cannot reach a service station or if the tire cannot hold the newly added air, replace the low pressure tire with the spare tire.

The Low Tire Pressure Telltale will remain on and the TPMS Malfunction Indicator may blink for one minute and then remain illuminated (when the vehicle is driven approximately 10 minutes at speed above 25 km/h (15.5 mph)) until you have the low pressure tire repaired and replaced on the vehicle.

Information

The spare tire is not equipped with a tire pressure sensor.

CAUTION

In winter or cold weather, the Low Tire Pressure Telltale may be illuminated if the tire pressure was adjusted to the recommended tire inflation pressure in warm weather. It does not mean your TPMS is malfunctioning because the decreased temperature leads to a proportional lowering of tire pressure.

When you drive your vehicle from a warm area to a cold area or from a cold area to a warm area, or the outside temperature is greatly higher or lower, you should check the tire inflation pressure and adjust the tires to the recommended tire inflation pressure.

WARNING

Low pressure damage

Significantly low tire pressure makes the vehicle unstable and can contribute to loss of vehicle control and increased braking distances.

Continued driving on low pressure tires can cause the tires to overheat and fail.



TPMS (Tire Pressure Monitoring System) malfunction indicator

The TPMS Malfunction Indicator will illuminate after it blinks for approximately one minute when there is a problem with the Tire Pressure Monitoring System.

We recommend that the system be checked by an authorized HYUNDAI dealer.

NOTICE

If there is a malfunction with the TPMS, the Low Tire Pressure Position Telltale will not be displayed even though the vehicle has an under-inflated tire.

NOTICE

The TPMS Malfunction Indicator may illuminate after blinking for one minute if the vehicle is near electric power supply cables or radio transmitters such as police stations, government and public offices, broadcasting stations, military installations, airports, transmitting towers, etc.

Additionally, the TPMS Malfunction Indicator may illuminate if snow chains are used or electronic devices such as computers, chargers, remote starters, navigation, etc. This may interfere with normal operation of the TPMS.

Changing a tire with TPMS

If you have a flat tire, the Low Tire Pressure and Position telltales will come on. We recommend that the flat tire be repaired by an authorized HYUNDAI dealer as soon as possible or replace the flat tire with the spare tire.

NOTICE

It is recommended that you do not use a puncture-repairing agent not approved by a HYUNDAI dealer to repair and/or inflate a low pressure tire. Tire sealant not approved by a HYUNDAI dealer may damage the tire pressure sensor.

The spare tire (if equipped) does not come with a tire pressure monitoring sensor. When the low pressure tire or the flat tire is replaced with the spare tire, the Low Tire Pressure Telltale will remain on. Also, the TPMS Malfunction Indicator will illuminate after blinking for one minute if the vehicle is driven at speed above 25 km/h (15.5 mph) for approximately 10 minutes.

Once the original tire equipped with a tire pressure monitoring sensor is re-inflated to the recommended pressure and reinstalled on the vehicle, the Low Tire Pressure Telltale and TPMS Malfunction Indicator will go off within a few minutes of driving.

If the indicators do not extinguish after a few minutes, please visit an authorized HYUNDAI dealer.

Each wheel is equipped with a tire pressure sensor mounted inside the tire behind the valve stem (except for the spare tire). You must use TPMS specific wheels. It is recommended that you always have your tires serviced by an authorized HYUNDAI dealer.

You may not be able to identify a tire with low pressure by simply looking at it. Always use a good quality tire pressure gauge to measure. Please note that a tire that is hot (from being driven) will have a higher pressure measurement than a tire that is cold.

A cold tire means the vehicle has been sitting for 3 hours and driven for less than 1.6 km (1 mile) in that 3 hour period.

Allow the tire to cool before measuring the inflation pressure. Always be sure the tire is cold before inflating to the recommended pressure.



WARNING

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



WARNING

Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may interfere with the system's ability to warn the driver of low tire pressure conditions and/or TPMS malfunctions. Tampering with, modifying, or disabling the Tire Pressure Monitoring System (TPMS) components may void the warranty for that portion of the vehicle.



WARNING

For EUROPE

- **Do not modify the vehicle; it may interfere with the TPMS function.**
- **The wheels on the market do not have a TPMS sensor.**

For your safety, we recommend that you use parts for replacement from an authorized HYUNDAI dealer.

- **If you use the wheels on the market, use a TPMS sensor approved by a HYUNDAI dealer. If your vehicle is not equipped with a TPMS sensor or TPMS does not work properly, you may fail the periodic vehicle inspection conducted in your country.**
- * **All vehicles sold in the EUROPE market during below period must be equipped with TPMS.**
 - **New model vehicle : Nov. 1, 2012 ~**
 - **Current model vehicle : Nov. 1, 2014~ (Based on vehicle registrations)**

IF YOU HAVE A FLAT TIRE

WARNING

Changing a tire can be dangerous. Follow the instructions in this section when changing a tire to reduce the risk of serious injury or death.

Jack and tools



- ① Jack
- ② Jack handle
- ③ Wheel lug nut wrench
- ④ Towing hook

The jack, jack handle, and wheel lug nut wrench, towing hook are stored in the luggage compartment under the luggage box cover.

The jack is provided for emergency tire changing only.

Removing and storing the spare tire



Turn the winged hold down bolt counterclockwise to remove the spare tire. Store the spare tire in the same compartment by turning the winged hold down bolt clockwise.

To prevent the spare tire and tools from “rattling” store them in their proper location.



If it is hard to loosen the tire hold-down wing bolt by hand, you can loosen it easily using the wheel lug nut wrench.

1. Put the wrench (1) inside of the tire hold-down wing bolt.
2. Turn the tire hold-down wing bolt counterclockwise with the wrench.

Changing tires

WARNING

A vehicle can slip or roll off of a jack causing serious injury or death to you or those nearby. Take the following safety precautions:

- **Do not get under a vehicle that is supported by a jack.**
- **NEVER attempt to change a tire in the lane of traffic. ALWAYS move the vehicle completely off the road on level, firm ground away from traffic before trying to change a tire. If you cannot find a level, firm place off the road, call a towing service for assistance.**
- **Be sure to use the jack provided with the vehicle.**
- **ALWAYS place the jack on the designated jacking positions on the vehicle and NEVER on the bumpers or any other part of the vehicle for jacking support.**
- **Do not start or run the engine while the vehicle is on the jack.**
- **Do not allow anyone to remain in the vehicle while it is on the jack.**
- **Keep children away from the road and the vehicle.**

Follow these steps to change your vehicle's tire:

1. Park on a level, firm surface.
2. Move the shift lever into P (Park, for dual clutch transmission vehicle) or neutral (for manual transmission vehicle), apply the parking brake, and place the ignition switch in the LOCK/OFF position.
3. Press the hazard warning flasher button.
4. Remove the wheel lug nut wrench, jack, jack handle, and spare tire from the vehicle.
5. Block both the front and rear of the tire diagonally opposite of the tire you are changing.



OQX1062007

6. Loosen the wheel lug nuts counter-clockwise one turn each in the order shown above, but do not remove any lug nuts until the tire has been raised off of the ground.



7. Place the jack at the designated jacking position under the frame closest to the tire you are changing. The jacking positions are plates welded to the frame with two tabs and a raised dot. Never jack any other position or part of the vehicle.



8. Insert the jack handle into the jack and turn it clockwise, raising the vehicle until the tire clears the ground. Make sure the vehicle is stable on the jack.
9. Loosen the lug nuts with the wheel lug nut wrench and remove them with your fingers. Remove the wheel from the studs and lay it flat on the ground out of the way. Remove any dirt or debris from the studs, mounting surfaces, and wheel.

10. Install the spare tire onto the studs of the hub.
11. Tighten the lug nuts with your fingers onto the studs with the smaller end of the lug nuts closest to the wheel.
12. Lower the vehicle to the ground by turning the jack handle counterclockwise.



13. Use the wheel lug nut wrench to tighten the lug nuts in the order shown. Double-check each lug nut until they are tight. After changing tires, we recommend that an authorized HYUNDAI dealer tighten the lug nuts to their proper torque as soon as possible. **The wheel lug nut should be tightened to 11~13 kgf.m (79~94 lbf.ft).**

If you have a tire gauge, check the tire pressure (see “Tires and Wheels” in chapter 8 for tire pressure instructions.). If the pressure is lower or higher than recommended, drive slowly to the nearest service station and adjust it to the recommended pressure. Always reinstall the valve cap after checking or adjusting tire pressure. If the cap is not replaced, air may leak from the tire. If you lose a valve cap, buy another and install it as soon as possible. After changing tires, secure the flat tire and return the jack and tools to their proper storage locations.

Information

Check the tire pressure as soon as possible after installing a spare tire. Adjust it to the recommended pressure.

NOTICE

Your vehicle has metric threads on the studs and lug nuts. Make certain during tire changing that the same nuts that were removed are reinstalled. If you have to replace your lug nuts make sure they have metric threads to avoid damaging the studs and ensure the wheel is properly secured to the hub. We recommend that you consult an authorized HYUNDAI dealer for assistance.

If any of the equipment such as the jack, lug nuts, studs, or other equipment is damaged or in poor condition, do not attempt to change the tire and call for assistance.

Use of compact spare tires (if equipped)

Compact spare tires are designed for emergency use only. Drive carefully on the compact spare tire and always follow the safety precautions.

WARNING

To prevent compact spare tire failure and loss of control possibly resulting in an accident:

- **Use the compact spare tire only in an emergency.**
- **NEVER operate your vehicle over 80 km/h (50 mph).**
- **Do not exceed the vehicle's maximum load rating or the load carrying capacity shown on the sidewall of the compact spare tire.**
- **Do not use the compact spare tire continuously. Repair or replace the original tire as soon as possible to avoid failure of the compact spare tire.**

When driving with the compact spare tire mounted to your vehicle:

- Check the tire pressure after installing the compact spare tire. The compact spare tire should be inflated to 420 kPa (60 psi).
- Do not take this vehicle through an automatic car wash while the compact spare tire is installed.
- Do not use the compact spare tire on any other vehicle because this tire has been designed especially for your vehicle.
- The compact spare tire's tread life is shorter than a regular tire. Inspect your compact spare tire regularly and replace worn compact spare tires with the same size and design, mounted on the same wheel.
- Do not use more than one compact spare tire at a time.
- Do not tow a trailer while the compact spare tire is installed.

i Information

When the original tire and wheel are repaired and reinstalled on the vehicle, the lug nut torque must be set correctly to prevent wheel vibration. The correct lug nut tightening torque is 11~13 kgf.m (79~94 lbf.ft).

NOTICE

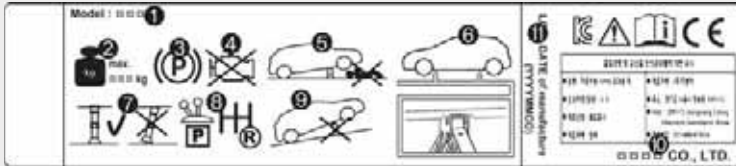
To prevent damaging the compact spare tire and your vehicle:

- **Drive slowly enough for the road conditions to avoid all hazards, such as a potholes or debris.**
- **Avoid driving over obstacles. The compact spare tire diameter is smaller than the diameter of a conventional tire and reduces the ground clearance approximately 25 mm (1 inch).**
- **Do not use tire chains on the compact spare tire. Because of the smaller size, a tire chain will not fit properly.**
- **Do not use the compact spare tire on any other wheels, nor should standard tires, snow tires, wheel covers or trim rings be used with the compact spare wheel.**
- **Do not suddenly accelerate or decelerate (0 ↔ 40 km/h) (0 ↔ 25 mph) in any driving mode. It may cause leakage of transfer oil.**

Jack label

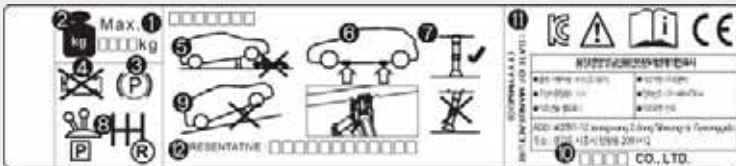
■ Example

- Type A



OHYK065010

- Type B



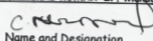


OHYK065011

※ The actual Jack label in the vehicle may differ from the illustration.
For more detailed specifications, refer to the label attached to the jack.

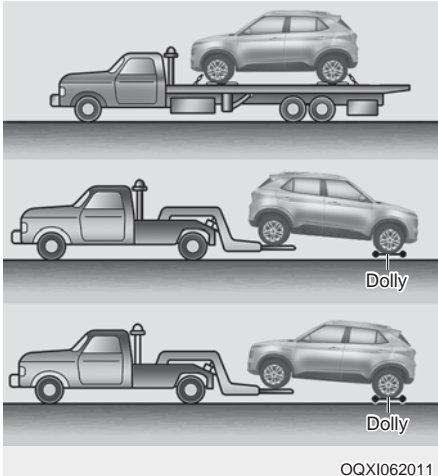
1. Model Name
2. Maximum allowable load
3. When using the jack, set your parking brake.
4. When using the jack, stop the engine.
5. Do not get under a vehicle that is supported by a jack.
6. The designated locations under the frame
7. When supporting the vehicle, the base plate of jack must be vertical under the lifting point.
8. Shift into Reverse gear on vehicles with manual transmission or move the shift lever to the P position on vehicles with dual clutch transmission.
9. The jack should be used on firm level ground.
10. Jack manufacture
11. Production date
12. Representative company and address

EC Declaration of conformity for Jack

 MK TRON AUTOPARTS PRIVATE LIMITED (Formerly known as UMW Dongshin Motech Private Limited)		
13.04.2022		
		
EC DECLARATION OF CONFORMITY		
According to EC Machinery directive 2006/42/EC		
Here with declare that the following products is in conformity with the provision of following EC Directive[s] he undersigned representing the manufacturer.		
Manufacturer Name: M/s. MKTRON AUTO PARTS PRIVATE LIMITED.		
Address	: 14 & 133, SIDCO INDUSTRIAL ESTATE, THIRUMAZHISAI, CHENNAI-600 124, TAMIL NADU, INDIA	
Declare under our sole responsibilities that the products.		
Products	: jack Assemblies - Pantograph & Bottle jacks	
Type Designation[s]	: 700 KG, 800 KG, 1000 KG & 2000 KG	
Serial no	: NA [proto type]	
Year of manufacture: 2021		
In which the declaration reacts is in conformity with the following standards or other normative documents		
EN -ISO12100 [2010]	Safety of machinery-General principles for design- risk assessment and risk reduction	
EN ISO12100-2/A1 [2009]	Safety of machinery -Basic concepts, general principles design part Part-2 Technical principles	
ENI49A/A1 [2008]	Mobile or movables jacks and associated lifting equipment	
Following the provisions of Directives:		
2006/42/EC	Directive on the approximation of the laws of member states relating to machinery Directive [OJL157 Jun, 2006]	
<u>MKTRON AUTO PARTS PVT LTD, INDIA /02.09.2021, C.NIRMAL KUMAR-Sr. Manager - Operation</u>		
Name & Place of	 Name and Designation	
<ul style="list-style-type: none"> • T.C.F Compiling Person: QS Zurich AG • P.O Box No: 6335 CH: 8090 Zurich 		
STAMPING DIVISION Plot No. A-19, Talegaon Industrial Area, Village Navlakumbre, Taluk Maval, Pune - 410 507, Maharashtra, INDIA. Tel. No.: +91-2114-306000	JACK DIVISION No. 14, SIDCO Industrial Estate, Thirumazhisai, Chennai - 600124, Tamil Nadu, INDIA Tel. No. +91-44-26810211	DIE CASTING DIVISION 824 & B. 160, SIDCO Industrial Estate, Thirumudivakkam, Chennai - 600 132, Tamilnadu, INDIA. Tel. No. +91-44-4904 7777
CIN NO.: U29255PN2007PTC133046		
Registered Office: Plot No. A-19, Talegaon Industrial Area, Village Navlakumbre, Tal, Maval, Pune - 410 507, Maharashtra. INDIA.		

NX41082001

TOWING



If emergency towing is necessary, we recommend having it done by an authorized HYUNDAI dealer or a commercial tow-truck service. Proper lifting and towing procedures are necessary to prevent damage to the vehicle. The use of wheel dollies or flatbed is recommended.

It is acceptable to tow the vehicle with the rear wheels on the ground (without dollies) and the front wheels off the ground. If any of the loaded wheels or suspension components are damaged or the vehicle is being towed with the front wheels on the ground, use a towing dolly under the front wheels.

When being towed by a commercial tow truck and wheel dollies are not used, the front of the vehicle should always be lifted, not the rear.



NOTICE

- Do not tow the vehicle with 4 wheels on the ground (such as dinghy towing behind a motorhome or other motor vehicle) as this can seriously damage the dual clutch transmission.
- Do not tow the vehicle with the front wheels on the ground as this may cause damage to the vehicle.
- Do not tow with sling-type equipment. Use a wheel lift or flatbed equipment.

When towing your vehicle in an emergency without wheel dollies:

1. Place the ignition switch in the ACC position.
2. Place the shift lever in N (Neutral).
3. Release the parking brake.

NOTICE

Failure to place the shift lever in N (Neutral) when being towed with the front wheels on the ground can cause internal damage to the transmission.

Removable towing hook



1. Open the tailgate, and remove the towing hook from the tool case.
2. Remove the hole cover pressing the lower part of the cover on the front bumper.
3. Install the towing hook by turning it clockwise into the hole until it is fully secured.
4. Remove the towing hook and install the cover after use.

Emergency towing



If towing is necessary, we recommend you have it done by an authorized HYUNDAI dealer or a commercial tow truck service.

If towing service is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the emergency towing hook at the front (or rear) of the vehicle.

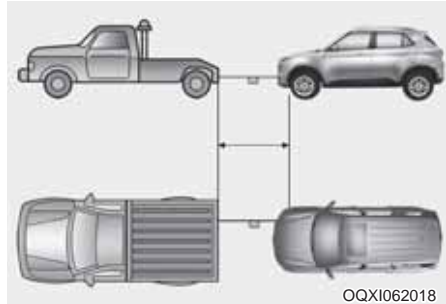
Use extreme caution when towing the vehicle with a cable or chain. A driver must be in the vehicle to steer it and operate the brakes.

Towing in this manner may be done only on hard-surfaced roads for a short distance and at low speeds.

Also, the wheels, axles, power train, steering and brakes must all be in good condition.

Always follow these emergency towing precautions:

- Place the ignition switch in the ACC position so the steering wheel is not locked.
- Place the shift lever in N (Neutral).
- Release the parking brake.
- Depress the brake pedal with more force than normal since you will have reduced braking performance.
- More steering effort will be required because the power steering system will be disabled.
- Use a vehicle heavier than your own to tow your vehicle.
- The drivers of both vehicles should communicate with each other frequently.
- Before emergency towing, check that the hook is not broken or damaged.
- Fasten the towing cable or chain securely to the hook.
- Do not jerk the hook. Apply steady and even force.



- Use a towing cable or chain less than 5 m (16 feet) long. Attach a white or red cloth (about 30 cm (12 inches) wide) in the middle of the cable or chain for easy visibility.
- Drive carefully so the towing cable or chain remains tight during towing.
- Before towing, check the automatic transmission for fluid leaks under your vehicle. If the automatic transmission fluid is leaking, flat-bed equipment or a towing dolly must be used.

NOTICE

To avoid damage to your vehicle and vehicle components when towing:

- **Always pull straight ahead when using the towing hooks. Do not pull from the side or at a vertical angle.**
- **Do not use the towing hooks to pull a vehicle out of mud, sand or other conditions from which the vehicle cannot be driven out under its own power.**
- **Limit the vehicle speed to 15 km/h (10 mph) and drive less than 1.5 km (1 mile) when towing to avoid serious damage to the automatic transmission.**

EMERGENCY COMMODITY

Your vehicle is equipped with emergency commodities to help you respond to emergency situation.

First aid kit

Supplies for use in giving first aid such as scissors, bandage and adhesive tape, etc. are provided.

Triangle reflector

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

8. Driver Assistance System

Due to the infotainment software version, the description of each function of the driver assistance system may differ from the owner's manual. In this case, for detailed information on updates, scan the QR code in the separately supplied simple manual.

DRIVER ASSISTANCE SYSTEM

NOTICE

- The Driver Assistance System uses camera to give signals and controls to improve the safety surroundings and comfort of the driver. It should be noted that Driver Assistance System only assists the driver and it does not interchange or substitute with the driver.
- The Driver Assistance System delivers vast benefits to driver, but the driver shall be only accountable for driving the car. Driver must be attentive while driving and should follow the traffic rules and regulations.

Driving safety

Forward Collision–Avoidance Assist (FCA).....	8-2
Lane Keeping Assist (LKA)	8-15
Driver Attention Warning (DAW)	8-21

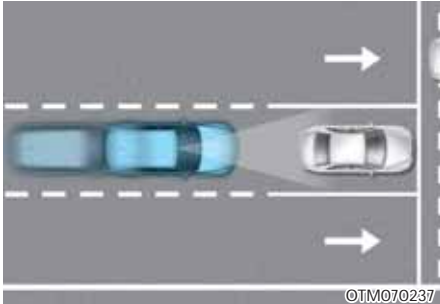
Driving convenience

Cruise Control (CC)	8-26
Lane Following Assist (LFA)	8-30

Parking safety

Rear View Monitor (RVM)	8-34
Reverse Parking Distance Warning (PDW)	8-38

FORWARD COLLISION-AVOIDANCE ASSIST (FCA) (IF EQUIPPED)



Forward Collision-Avoidance Assist detects a vehicle, a pedestrian, or a cyclist ahead on the road and may warn you of a possible collision with a warning message on the instrument cluster and a warning sound. Also, Forward Collision-Avoidance Assist may assist with braking your vehicle to help reduce collision speed or avoid a collision.

Detecting Sensor



[1] : Front view camera

Refer to the picture above for the detailed location of the detecting sensor.

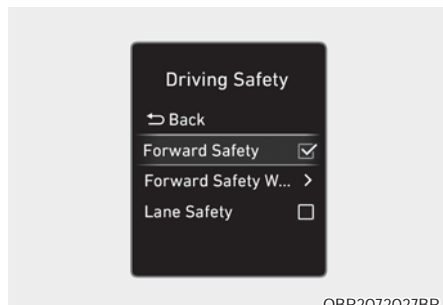


CAUTION

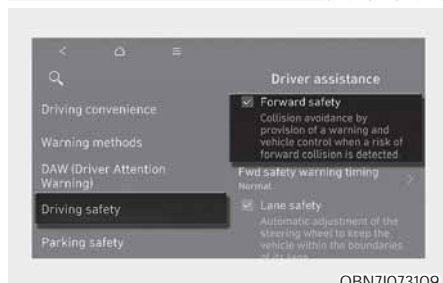
Take the following precautions to maintain optimal performance of the detecting sensor:

- Never disassemble the detecting sensor or sensor assembly, or cause any damage to it.
- If the detecting sensor have been replaced or repaired, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.
- Never install any accessories or stickers on the front windshield, or tint the front windshield.
- Pay extreme caution to keep the front view camera dry.
- Never place any reflective objects (for example, white paper, mirror) over the dashboard.

Forward collision-avoidance assist settings



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OBN71073109

Forward Safety

With the engine on, select 'User settings → Driver assistance → Driving safety' from the settings menu in the instrument cluster or 'Settings → Vehicle → Driver assistance → Driving safety' from the settings menu in the infotainment system to set whether to use each function.

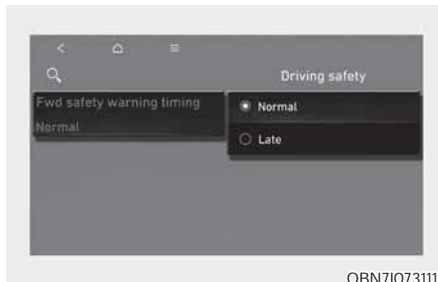
- If 'Forward safety' is selected, Forward Collision-Avoidance Assist will warn the driver with a warning message, an audible warning depending on the collision risk levels. Braking assist will be applied depending on the collision risk levels. If 'Forward safety' is deselected, Forward Safety will turn off. The warning light (⚠) will illuminate on the instrument cluster.

WARNING

When the engine is restarted, Forward Collision-Avoidance Assist maintains its last setting. However, if Forward Safety is deselected, the driver should always be aware of the surroundings and drive safely.



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OBN71073111

Forward Safety Warning Timing

With the engine on, select 'User settings → Driver assistance → Driving safety → Forward Safety Warning Timing' from the settings menu in the instrument cluster or 'Settings → Vehicle → Driver assistance → Driving safety → Forward safety warning timing' settings menu in the infotainment system to change the initial warning activation time for Forward Collision-Avoidance Assist. The warning time can be set to either 'Normal' or 'Late'.

- Use 'Normal' in normal driving conditions. If the Warning Timing seems sensitive, change it to 'Late'.
- If 'Late' is selected, Forward Collision-Avoidance Assist, warns the driver more slowly.

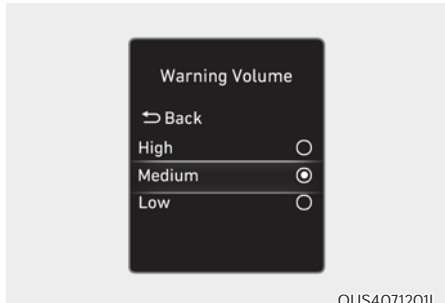
CAUTION

- The setting of the Forward Safety Warning Timing and Warning Methods applies to all functions of Forward Collision- Avoidance Assist.
- Even though 'Normal' is selected for Forward Safety Warning Timing, if the front vehicle suddenly stops, the initial warning activation time may seem late.
- Select 'Late' for Forward Safety Warning Timing when traffic is light and when driving speed is slow.

Information

If the engine is restarted, Forward Safety Warning Timing and Warning Methods will maintain the last setting.

Warning Methods



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The Warning Methods can be set when the vehicle is in ON position.

- **Warning volume:** Select 'User settings' → Driver assistance → 'Warning volume' on the instrument cluster or 'Settings' → Vehicle → Driver assistance → Warning methods → Warning volume' on the infotainment system, and adjust the warning volume.
- **Driving safety priority:** Select 'Settings' → Vehicle → Driver assistance → Warning methods → Driving safety priority' on the infotainment system, the audio volume is reduced while a warning sounds.

i Information

- If you change the Warning Methods, Warning Methods of other Driver Assistance systems may change.
- Warning Method will maintain its last setting even if the vehicle is restarted.
- The setting menu may not be available for your vehicle depending on the vehicle features and specifications.

Forward Collision-Avoidance Assist operation

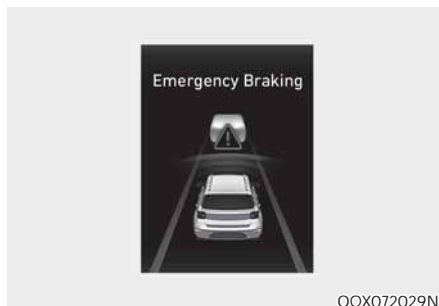
Warning and control

The basic feature of Forward Collision-Avoidance Assist is to warn and help control the vehicle depending on collision risk level: 'collision Warning', 'Emergency Braking' and 'Stopping vehicle and ending brake control'.



Collision Warning

- To warn the driver of a collision, the 'Collision Warning' warning message will appear on the cluster and an audible warning will sound.
- If a vehicle is detected in front, the function will operate when your vehicle speed is between approximately 5-180 km/h (3-112 mph).
- If a pedestrian or cyclist is detected in front, the function will operate when your vehicle speed is between approximately 5-80 km/h (3-50 mph).



Emergency Braking

- To warn the driver that emergency braking will occur, the 'Emergency Braking' warning message will appear on the cluster and an audible warning will sound.
- If a vehicle is detected in front, the function will operate when your vehicle speed is between approximately 5-60 km/h (3-37 mph).
- If a pedestrian or cyclist is detected in front, the function will operate when your vehicle speed is between approximately 5-60 km/h (3-37 mph).
- In emergency braking situation, braking is assisted with strong braking power by the function to help prevent collision with the vehicle, pedestrian or cyclist ahead.




Stopping vehicle and ending brake control

- When the vehicle is stopped due to emergency braking, the 'Drive carefully' warning message will appear on the cluster.
For your safety, the driver should depress the brake pedal immediately and check the surroundings.
- Brake control will end after the vehicle is stopped by emergency braking for approximately 2 seconds.

WARNING

Take the following precautions when using Forward Collision-Avoidance Assist:

- For your safety, change the Settings after parking the vehicle at a safe location.
 - With Forward Safety selected, when ESC is turned off by pressing and holding the ESC OFF button, Forward Collision-Avoidance Assist will turn off automatically. In this case, Forward Collision-Avoidance Assist cannot be set from the Settings menu and the  warning light will illuminate on the cluster which is normal. If ESC is turned on by pressing the ESC OFF button, Forward Collision-Avoidance Assist will maintain the last setting.
- Forward Collision-Avoidance Assist does not operate in all situations or cannot avoid all collisions.
 - The driver should hold the responsibility to control the vehicle. Do not solely depend on Forward Collision-Avoidance Assist. Rather, maintain a safe braking distance, and, if necessary, depress the brake pedal to reduce driving speed or to stop the vehicle.
 - Never deliberately operate Forward Collision-Avoidance Assist on people, objects, etc. It may cause serious injury or death.
 - Forward Collision-Avoidance Assist may not operate if the driver depresses the brake pedal to avoid a collision.
 - Depending on the road and driving conditions, Forward Collision-Avoidance Assist may warn the driver late or may not warn the driver.
 - During Forward Collision-Avoidance Assist operation the vehicle may stop suddenly injuring passengers and shifting loose objects. Always have the seat belt on and keep loose objects secured.
 - If any other function's warning message is displayed or audible warning is generated, Forward Collision-Avoidance Assist warning message may not be displayed and audible warning may not be generated.
 - You may not hear the warning sound of Forward Collision-Avoidance Assist if the surrounding is noisy.
 - Forward Collision-Avoidance Assist may turn off or may not operate properly or may operate unnecessarily depending on the road conditions and the surroundings.



WARNING

- Even if there is a problem with Forward Collision-Avoidance Assist, the vehicle's basic braking performance will function normally.
- During emergency braking, braking control by Forward Collision-Avoidance Assist will automatically cancel when the driver excessively depresses the accelerator pedal or sharply steers the vehicle.



CAUTION

Depending on the condition of the vehicle, pedestrian, or cyclist in front and the surroundings, the speed range to operate Forward Collision-Avoidance Assist may reduce. Forward Collision-Avoidance Assist may only warn the driver, or it may not operate.





Information

- In a situation where collision is imminent, braking may be assisted by Forward Collision-Avoidance Assist when braking is insufficient by the driver.
- The images and colors in the instrument cluster may differ depending on the cluster type or theme selected from the instrument cluster.

Forward Collision-Avoidance Assist malfunction and limitations

Forward collision-avoidance assist malfunction





When Forward Collision-Avoidance Assist is not working properly, the 'Check Forward Safety system' warning message will appear, and the  and  warning lights will illuminate on the cluster. We recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Forward collision-avoidance assist disabled



When the front windshield where the front view camera is located or the sensor is covered with foreign material, such as snow or rain, it can reduce the detecting performance and temporarily limit or disable Forward Collision-Avoidance Assist.

If this occurs the 'Forward Safety system disabled. Camera obscured' warning message, and the  and  warning lights will illuminate on the cluster.

Forward Collision-Avoidance Assist will operate properly when such snow, rain or foreign material is removed.

If Forward Collision-Avoidance Assist does not operate properly after obstruction (snow, rain, or foreign material) is removed, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

WARNING

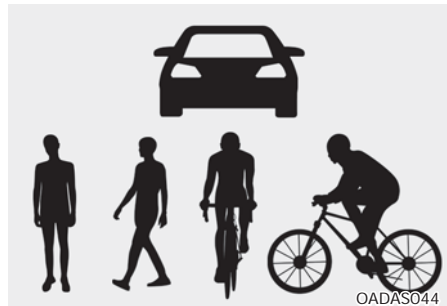
- Even though the warning message or warning light does not appear on the cluster, Forward Collision-Avoidance Assist may not properly operate.
- Forward Collision-Avoidance Assist may not properly operate in an area (e.g. open terrain), where any objects are not detected after turning ON the engine.

Limitations of forward collision-avoidance assist

Forward Collision-Avoidance Assist may not operate properly, or it may operate unexpectedly under the following circumstances:

- The detecting sensor or the surroundings are contaminated or damaged
- The temperature around the front view camera is high or low due to surrounding environment
- The camera lens is contaminated due to tinted, filmed or coated windshield, damaged glass, or sticky foreign material (sticker, bug, etc.) on the glass
- Moisture is not removed or frozen on the windshield
- Washer fluid is continuously sprayed, or the wiper is on
- Driving in heavy rain or snow, or thick fog
- The field of view of the front view camera is obstructed by sun glare
- Street light or light from an oncoming traffic is reflected on the wet road surface, such as a puddle on the road
- An object is placed on the dashboard
- Your vehicle is being towed
- The surrounding is very bright
- The surrounding is very dark, such as in a tunnel, etc.
- The brightness changes suddenly, for example when entering or exiting a tunnel
- The brightness outside is low, and the headlamps are not on or are not bright

- Driving through steam, smoke or shadow
- Only part of the vehicle, pedestrian or cyclist is detected
- The vehicle / object in front is a bus, heavy truck, truck with an unusually shaped cargo, trailer, animal etc.
- The vehicle in front has no tail lights, tail lights are located unusually, etc.
- The brightness outside is low, and the tail lamps are not on or are not bright
- The rear of the front vehicle is small or the vehicle does not look normal, such as when the vehicle is tilted, overturned, or the side of the vehicle is visible, etc.
- The front vehicle's ground clearance is low or high
- A vehicle, pedestrian or cyclist suddenly cuts in front
- The vehicle in front is detected late
- The vehicle in front is suddenly blocked by an obstacle / barricade.
- The vehicle in front suddenly changes lane or suddenly reduces speed
- The vehicle in front is bent out of shape
- The front vehicle's speed is fast or slow
- The vehicle in front steers in the opposite direction of your vehicle to avoid a collision
- With a vehicle in front, your vehicle changes lane at low speed
- The vehicle in front is covered with snow
- You are departing or returning to the lane
- Unstable driving
- You are on a roundabout and the vehicle in front is not detected
- You are continuously driving in a circle
- The vehicle in front has an unusual shape
- The vehicle in front is driving uphill or downhill
- The pedestrian or cyclist is not fully detected, for example, if the pedestrian is leaning over or is not fully walking upright
- The pedestrian or cyclist is wearing clothing or equipment that makes it difficult to detect as a pedestrian or cyclist



The illustration above shows the image the front view camera is capable of detecting as a vehicle, pedestrian and cyclist.

- The pedestrian or cyclist in front is moving very quickly
- The pedestrian or cyclist in front is short or is posing a low posture
- The pedestrian or cyclist in front has impaired mobility
- The pedestrian or cyclist in front is moving intersected with the driving direction

- There is a group of pedestrians, cyclists or a large crowd in front
- The pedestrian or cyclist is wearing clothing that easily blends into the background, making it difficult to detect
- The pedestrian or cyclist is difficult to distinguish from the similarly shaped structure in the surroundings
- You are driving by a pedestrian, cyclist, traffic sign, structure, etc., near the intersection
- Driving in a parking lot
- Driving through a tollgate, construction area, unpaved road, partial paved road, uneven road, speed bumps, etc.
- Driving on an incline road, curved road, etc.
- Driving through a roadside with trees or streetlights
- The adverse road conditions cause excessive vehicle vibrations while driving
- Your vehicle height is low or high due to heavy loads, abnormal tire pressure, etc.
- Driving through a narrow road where trees or grass or overgrown
- There is interference by electromagnetic waves such as driving in an area with strong radio waves or electrical noise

WARNING

- Driving on a curved road



Forward Collision-Avoidance Assist may not detect other vehicles, pedestrians or cyclists in front of you on curved roads adversely affecting the performance of the sensors. This may result in no warning or braking assist when necessary.

When driving on a curved road, you must maintain a safe braking distance, and if necessary, steer the vehicle and depress the brake pedal to reduce your driving speed in order to maintain a safe distance.



Forward Collision-Avoidance Assist may detect a vehicle, pedestrian or cyclist in the next lane or outside the lane when driving on a curved road.

If this occurs, Forward Collision-Avoidance Assist may unnecessarily warn the driver and control the brake. Always check the traffic conditions around the vehicle.

- Driving on an inclined road

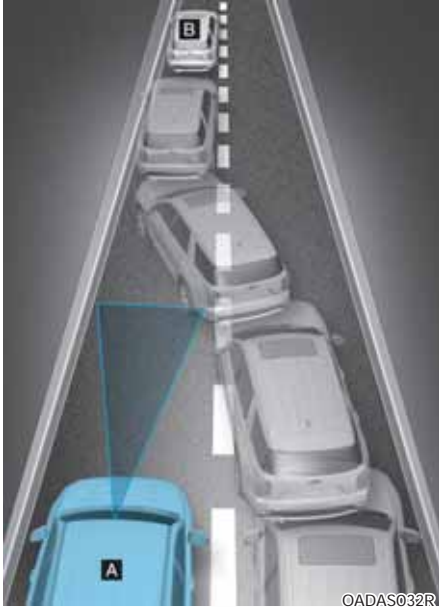


Also, vehicle speed may rapidly decrease when a vehicle, pedestrian or cyclist ahead is suddenly detected. Always have your eyes on the road while driving uphill or downhill and if necessary, steer the vehicle and depress the brake pedal to reduce your driving speed in order to maintain a safe distance.

Forward Collision-Avoidance Assist may not detect other vehicles, pedestrians or cyclists in front of you while driving uphill or downhill adversely affecting the performance of the sensors.

This may result in unnecessary warning or braking assist, or no warning or braking assist when necessary.

- Changing lanes



[A] : Your vehicle,
[B] : Lane changing vehicle

When a vehicle moves into your lane from an adjacent lane, it cannot be detected by the sensor until it is in the sensor's detection range. Forward Collision-Avoidance Assist may not immediately detect the vehicle when the vehicle changes lanes abruptly. In this case, you must maintain a safe braking distance, and if necessary, steer the vehicle and depress the brake pedal to reduce your driving speed in order to maintain a safe distance.

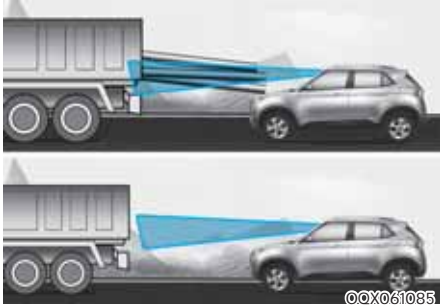


[A] : Your vehicle,
[B] : Lane changing vehicle,
[C] : Same lane vehicle

When a vehicle in front of you merges out of the lane, Forward Collision-Avoidance Assist may not immediately detect the vehicle that is now in front of you.

In this case, you must maintain a safe braking distance, and if necessary, steer the vehicle and depress the brake pedal to reduce your driving speed in order to maintain a safe distance.

- Detecting vehicle



If the vehicle in front of you has cargo that extends rearward from the cab, or when the vehicle in front of you has higher ground clearance, additional special attention is required. Forward Collision-Avoidance Assist may not be able to detect the cargo extending from the vehicle. In these instances, you must maintain a safe braking distance from the rearmost object, and if necessary, steer the vehicle and depress the brake pedal to reduce your driving speed in order to maintain distance.

WARNING

- When you are towing a trailer or another vehicle, we recommend that Forward Collision-Avoidance Assist is turned off due to safety reasons.
- Forward Collision-Avoidance Assist may operate if objects that are similar in shape or characteristics to vehicles, pedestrians and cyclists are detected.
- Forward Collision-Avoidance Assist does not operate on bicycles, motorcycles, or smaller wheeled objects, such as luggage bags, shopping carts, or strollers.
- Forward Collision-Avoidance Assist may not operate properly if interfered by strong electromagnetic waves.
- Forward Collision-Avoidance Assist may not operate for 15 seconds after the vehicle is started, or the front view camera is initialized.

LANE KEEPING ASSIST (LKA) (IF EQUIPPED)

Lane Keeping Assist is designed to help detect lane markings (or road edges) while driving over a certain speed. Lane Keeping Assist will warn the driver if the vehicle leaves the lane without using the turn signal, or will automatically assist the driver's steering to help prevent the vehicle from departing the lane.

Detecting Sensor



[1] : Front view camera

The front view camera is used as a detecting sensor to detect lane markings (or road edges).

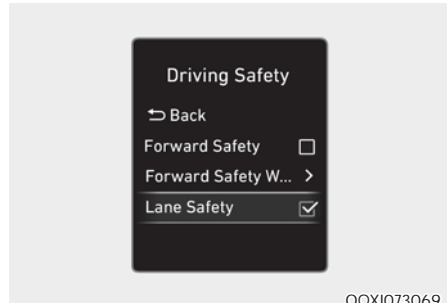
Refer to the picture above for the detailed location of the detecting sensor.



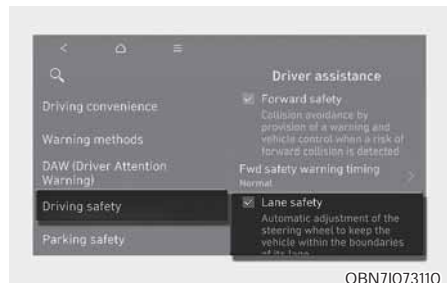
CAUTION

For more details on the precautions of the front view camera, refer to "Forward Collision-Avoidance Assist (FCA)" section in chapter 7.

Lane Keeping Assist settings



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Lane Safety

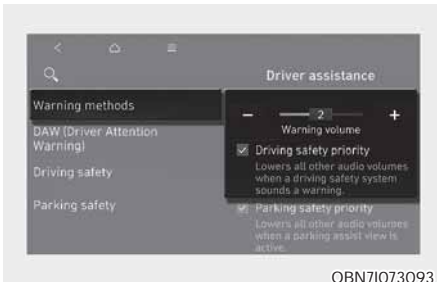
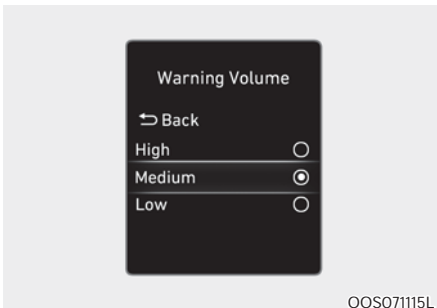
With the engine on, select 'User settings → Driver assistance → Driving safety → Lane safety' from the settings menu in the instrument cluster or 'Settings → Vehicle → Driver assistance → Driving safety → Lane safety' from the Settings menu in the infotainment system to set whether to use each function.

- If 'Lane Safety' is selected, Lane Keeping Assist will automatically assist you with steering when lane departure is detected to help prevent the vehicle from moving out of its lane.
- If 'Lane safety' is deselected, Lane Keeping Assist will turn off and the yellow (🚗) indicator light will turn on the cluster.

WARNING

- Lane Keeping Assist does not control the steering wheel when the vehicle is driven in the middle of the lane.
- The driver should always be aware of the surroundings and steer the vehicle if 'Lane Safety' is deselected.

Warning Methods



The Warning Methods can be set when the vehicle is in ON position.

- **Warning volume:** Select 'User settings → Driver assistance → Warning volume' on the instrument cluster or 'Settings → Vehicle → Driver assistance → Warning methods → Warning volume' on the infotainment system, and adjust the warning volume.
- **Driving safety priority:** Select 'Settings → Vehicle → Driver assistance → Warning methods → Driving safety priority' on the infotainment system, the audio volume is reduced while a warning sounds.

Information

- If you change the Warning Methods, Warning Methods of other Driver Assistance systems may change.
- Warning Method will maintain its last setting even if the vehicle is restarted.
- The setting menu may not be available for your vehicle depending on the vehicle features and specifications.

Lane Keeping Assist operation
Turning lane keeping assist on/off



Turning Lane Keeping Assist On/Off

Whenever the vehicle is turned on, Lane Keeping Assist will always turn on. The grey (LKA icon) indicator light will illuminate on the cluster.

Press and hold the Lane Driving Assist button (LKA icon) again to turn off the function.

i Information


- **When the Lane Driving Assist button (⊕) is pressed and held, the Lane Safety setting turns off.**
- **If the engine is restarted, Lane Keeping Assist will maintain the last setting.**

Warning and control


Lane Keeping Assist will warn and help control the vehicle with Lane Departure Warning and Lane Keeping Assist.

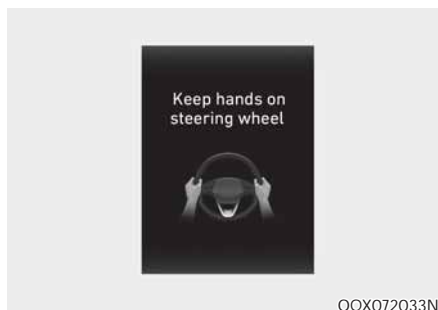


Lane departure warning

- To warn the driver that the vehicle is departing from the projected lane in front, the green  indicator light will blink on the cluster, the lane line will blink on the cluster depending on which direction the vehicle is veering, and an audible warning will sound.
- Lane Keeping Assist will operate when your vehicle speed is between approximately 60-200 km/h (37-120 mph).

Lane Keeping Assist

- To warn the driver that the vehicle is departing from the projected lane in front, the green  indicator light will blink on the cluster, and the steering wheel will make adjustments to keep the vehicle inside the lane.
- Lane Keeping Assist will operate when your vehicle speed is between approximately 60-200 km/h (37-120 mph).




Hands-off warning

If the driver takes their hands off the steering wheel for several seconds, the 'Keep hands on the steering wheel' warning message will appear on the cluster, and an audible warning will sound in stages.

 **WARNING**

- The steering wheel may not be assisted if the steering wheel is held very tight or the steering wheel is steered over a certain degree.
- Lane Keeping Assist does not operate at all times. It is the responsibility of the driver to safely steer the vehicle and to maintain the vehicle in its lane.
- The hands-off warning message may appear late depending on road conditions. Always have your hands on the steering wheel while driving.
- If the steering wheel is held very lightly, the hands-off warning message may appear because Lane Keeping Assist may not recognize that the driver has their hands on the steering wheel.
- If you attach objects to the steering wheel, the hands-off warning may not work properly.

 **Information**

- For more details on setting the functions in the infotainment system **Vehicle Settings**, refer to “User settings mode” section in chapter 4.
- When lane markings (or road edges) are detected, the lane lines on the cluster will change from grey to white and the green  indicator light will illuminate.



- Even though the steering is assisted by Lane Keeping Assist, the driver may control the steering wheel.
- The steering wheel may feel heavier or lighter when the steering wheel is assisted by Lane Keeping Assist than when it is not.

 **Information**


The images or colors may be displayed differently depending on the specifications of the instrument panel or theme.

Lane Keeping Assist malfunction and limitations

Lane keeping assist malfunction



OTM070035N

When Lane Keeping Assist is not working properly, the 'Check Lane Keeping Assist (LKA) system' warning message will appear and the yellow  indicator light will illuminate on the cluster. If this occurs, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

Limitations of lane keeping assist

Lane Keeping Assist may not operate properly or may operate unexpectedly under the following circumstances:

- The lane is contaminated or difficult to detect:
 - The lane markings (or road edge) are covered with rain, snow, dirt, oil, etc.
 - The color of the lane marking (or road edge) is not distinguishable from the road
 - There are markings (or road edges) on the road near the lane or the markings (or road edges) on the road look similar to the lane markings (or road edge)
 - The lane marking (or road edge) is indistinct or damaged
 - The shadow is on the lane marking (or road edge) by a median strip, trees, guardrail, noise barriers, etc.
- The number of lanes change or the lanes merge
- There are more than two lane markings (or road edges) on the road
- The lane markings (or road edges) are complicated or a structure substitutes for the lines, such as a construction area
- There are road markings, such as zigzag lanes, crosswalk markings and road signs
- The lane suddenly disappears, such as at the intersection
- The lane (or road width) is very wide or narrow
- There is a road edge without a lane
- There is a boundary structure in the roadway, such as a tollgate, sidewalk, curb, etc.
- The distance to the front vehicle is extremely short or the vehicle in front is covering the lane marking (or road edge)

Information

For more details on the limitations of the front view camera, refer to “Forward Collision-Avoidance Assist (FCA)” section in chapter 7.

WARNING

Take the following precautions when using Lane Keeping Assist:

- The driver should hold the responsibility to safely drive and control the vehicle. Do not solely rely on Lane Keeping Assist and drive dangerously.
 - The operation of Lane Keeping Assist can be cancelled or not work properly depending on road conditions and surroundings. Always be cautious while driving.
 - Refer to “Limitations of Lane Keeping Assist” if the lane is not detected properly.
 - When you are towing a trailer or another vehicle, we recommend that Lane Keeping Assist is turned off due to safety reasons.
 - If the vehicle is driven at high speed, the steering wheel will not be controlled. The driver must always follow the speed limit when using Lane Keeping Assist.
- If any other system’s warning message is displayed or audible warning is generated, Lane Keeping Assist warning message may not be displayed and audible warning may not be generated.
 - You may not hear the warning sound of Lane Keeping Assist if the surrounding is noisy.
 - If you attach objects to the steering wheel, steering may not be assisted properly.
 - Lane Keeping Assist may not operate for 15 seconds after the vehicle is started, or the front view camera is initialized.
 - Lane Keeping Assist will not operate when:
 - The turn signal or hazard warning flasher is turned on
 - The vehicle is not driven in the center of the lane when Lane Keeping Assist is turned on or right after changing a lane
 - ESC (Electronic Stability Control) or VSM (Vehicle Stability Management) is activated
 - The vehicle is driven on a sharp curve
 - The vehicle speed is below 55 km/h (35 mph) or above 210 km/h (130 mph)
 - The vehicle makes sharp lane changes
 - The vehicle brakes suddenly

DRIVER ATTENTION WARNING (DAW) (IF EQUIPPED)

Basic function

Driver Attention Warning monitors your driving pattern while driving. When the driver's attention level is below a certain level, Driver Attention Warning recommends a break to help with safe driving.

Leading vehicle departure alert function

Leading Vehicle Departure Alert function will inform the driver when a detected vehicle in front departs from a stop.

Detecting sensor



[1] : Front view camera

The front view camera is used to help detect driving patterns and front vehicle departure while vehicle is being driven.

Refer to the picture above for the detailed location of the detecting sensor.



CAUTION

Always keep the front view camera in good condition to maintain optimal performance of Driver Attention Warning.

For more details on the precautions of the front view camera, refer to "Forward Collision-Avoidance Assist (FCA)" section in chapter 7.

Driver attention warning settings



OBR2072056BR



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Leading vehicle departure alert

With the engine on, select or deselect 'User settings → Driver assistance → Driver Attention Warning' from the Settings menu in the instrument cluster or 'Settings → Vehicle → Driver assistance → Driver Attention Warning' from the Settings menu in the infotainment system to set whether to use the function.

- If 'Leading Vehicle Departure Alert' is selected, the function will inform the driver when a detected vehicle in front departs from a stop.

Driver attention warning operation

Driver Attention Warning

The basic function of Driver Attention Warning is to warn the driver to 'Consider taking a break'.

Taking a break



- The 'Consider taking a break' message will appear on the cluster and an audible warning will sound to suggest that the driver take a break, when the driver's attention level is below certain level.
- Driver Attention Warning will not suggest a break when the total driving time is shorter than 4 minutes has not passed after the last break was suggested.

WARNING

For your safety, change the Settings after parking the vehicle at a safe location.

CAUTION

- Driver Attention Warning may suggest a break depending on the driver's driving pattern or habits, even if the driver doesn't feel fatigued.
- Driver Attention Warning is a supplemental function and may not be able to determine whether the driver is inattentive.
- The driver who feels fatigued should take a break at a safe location, even though there is no break suggestion by Driver Attention Warning.

Information

For more details on setting the functions in the infotainment system Vehicle Settings, refer to "User settings mode" section in chapter 4.

Leading vehicle departure alert function



When a detected vehicle in front departs from a stop, Leading Vehicle Departure Alert will inform the driver by displaying the 'Leading vehicle is driving away' message on the cluster and an audible warning will sound.

WARNING

- If any other system's warning message is displayed or audible warning is generated, Driver Attention Warning message may not be displayed and audible warning may not be generated.
- The driver should hold the responsibility to safely drive and control the vehicle.

CAUTION

- Leading Vehicle Departure Alert is a supplemental function and may not alert the driver whenever the front vehicle departs from a stop.
- Always check the front of the vehicle and road conditions before departure.


Information

The images and colors in the instrument cluster may differ depending on the cluster type or theme selected from the instrument cluster.

Driver attention warning malfunction and limitations

Driver Attention Warning Malfunction



When Driver Attention Warning is not working properly, the 'Check Driver Attention Warning (DAW) system' warning message will appear on the cluster for several seconds, and the master () warning light will illuminate on the cluster. If this occurs, we recommend that you have the vehicle inspected by an authorized HYUNDAI dealer.

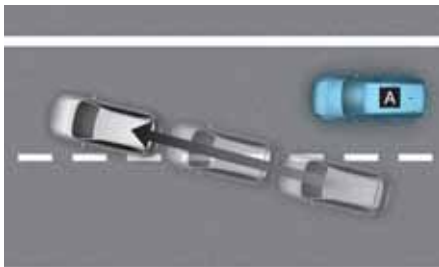
Limitations of driver attention warning

Driver Attention Warning may not work properly in the following situations:

- The vehicle is driven violently
- The vehicle intentionally crosses over lanes frequently
- The vehicle is controlled by Driver Assistance system, such as Lane Keeping Assist

Leading vehicle departure alert function

- When the vehicle cuts in



©ADAS021R



©ADAS022R

[A] : Your vehicle, [B] : Front vehicle

If a vehicle cuts in front of your vehicle, Leading Departure Alert may not operate properly.

- When the vehicle ahead sharply steers



©ADAS034R

[A] : Your vehicle, [B] : Front vehicle

If the vehicle in front makes a sharp turn, such as to turn left or right or make a U-turn, etc., Leading Vehicle Departure Alert may not operate properly.

- When the vehicle ahead abruptly departs



©ADAS024R

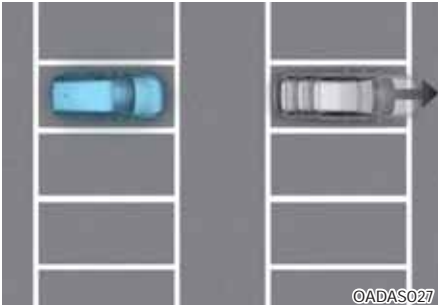
If the vehicle in front abruptly departs, Leading Vehicle Departure Alert may not operate properly.

- When a pedestrian or bicycle is between your vehicle and the vehicle ahead



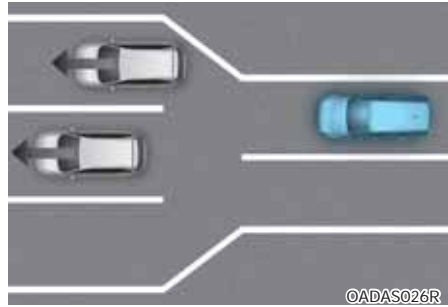
If there is a pedestrian(s) or bicycle(s) in between your vehicle and the vehicle in front, Leading Vehicle Departure Alert may not operate properly.

- When in a parking lot



If a vehicle parked in front drives away from you, Leading Vehicle Departure Alert may alert you that the parked vehicle is driving away.

- When driving at a tollgate or intersection, etc.

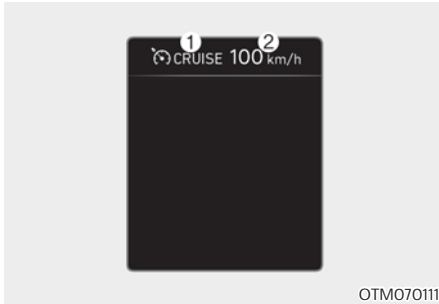


If you pass a tollgate or intersection with lots of vehicles or you drive where lanes are merged or divided frequently, Leading Vehicle Departure Alert may not operate properly.

i Information

For more details on the precautions of the front view camera, refer to “Forward Collision-Avoidance Assist (FCA)” section in chapter 7.

CRUISE CONTROL (CC) (IF EQUIPPED)



(1) Cruise indicator

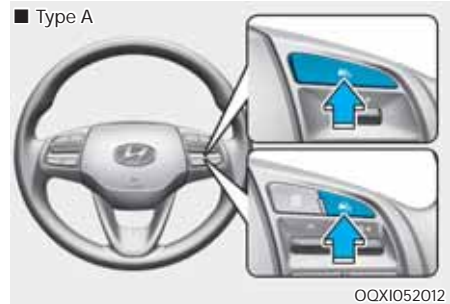
(2) Set speed

Cruise Control will allow you to drive at speeds above 30 km/h (20 mph) without depressing the accelerator pedal.

Cruise Control operation

Setting feature

1. Accelerate to the desired speed, which must be more than 30 km/h (20 mph).



■ Type A



2. Press the Driving Assist button at the desired speed. The set speed and Cruise indicator will illuminate on the cluster.

3. Release the accelerator pedal.

The vehicle speed will maintain the set speed even when the accelerator pedal is not depressed.

i Information

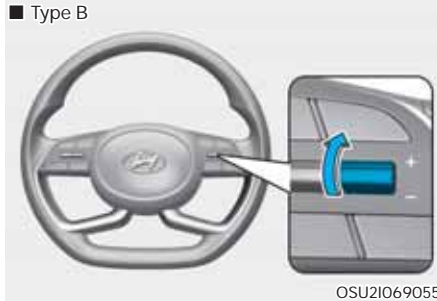
On a steep slope, the vehicle may slightly slow down or speed up while driving an uphill or a downhill.

Increasing set speed

■ Type A



■ Type B



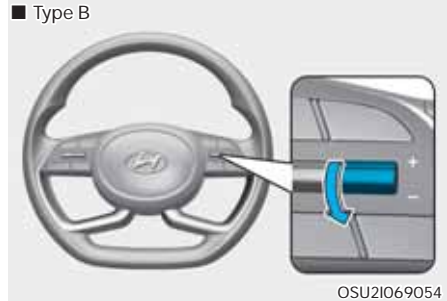
- Push the + switch up and release it immediately. The set speed will increase by 1 km/h (1 mph) each time the switch is operated in this manner.
- Push the + switch up and hold it while monitoring the set speed on the cluster. The set speed will increase to the nearest multiple of ten (multiple of five in mph) at first, and then increase by 10 km/h (5 mph) each time the switch is operated in this manner. Release the switch when the desired speed is shown and the vehicle will accelerate to that speed.

Decreasing set speed

■ Type A

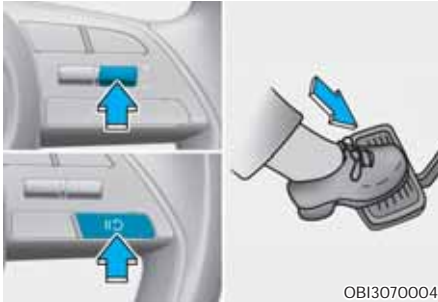


■ Type B



- Push the - switch down and release it immediately. The set speed will decrease by 1 km/h (1 mph) each time the switch is operated in this manner.
- Push the - switch down and hold it while monitoring the set speed on the cluster. The set speed will decrease to the nearest multiple of ten (multiple of five in mph) at first, and then decrease by 10 km/h (5 mph) each time the switch is operated in this manner. Release the switch at the speed you want to maintain.

Temporarily pausing Cruise Control



Cruise Control will be paused when:

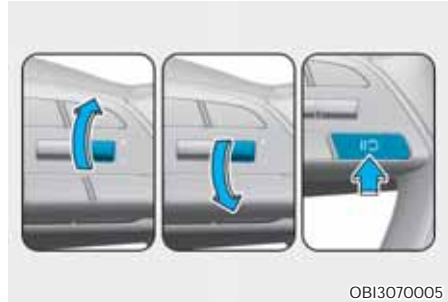
- Depressing the brake pedal.
- Press the **|| C** button.
- Shifting the gear to N (Neutral).
- Decreasing the vehicle speed to less than approximately 30 km/h (20 mph).
- ESC (Electronic Stability Control) is operating.
- Downshifting to the 2nd gear when in Manual Shift mode.

The set speed will turn off but the Cruise indicator will stay on.

NOTICE

If Cruise Control pauses during a situation that is not mentioned, we recommend that the vehicle be inspected by an authorized HYUNDAI dealer.

Resuming Cruise Control



Operate the +, - switch or **|| C** button.

If you push the + switch up or - switch down, the vehicle speed will be set to the current speed on the cluster.

If you press the **|| C** button, the vehicle speed will resume to the preset speed.

The vehicle speed must be above 30 km/h (20 mph) for the system to resume.

WARNING

Check the driving condition before using the (|| C) button. Driving speed may sharply increase or decrease when you press the (|| C) button.

Turning off Cruise Control

■ Type A



■ Type B



Press the Driving Assist button to turn Cruise Control off. The Cruise indicator will go off.

Always press the Driving Assist button to turn Cruise Control off when not in use.

i Information

If your vehicle is equipped with Manual Speed Limit Assist, press and hold the Driving Assist button to turn off Cruise Control. However, Manual Speed Limit Assist will turn on.

! WARNING

Take the following precautions when using Cruise Control:

- Always set the vehicle speed to the speed limit in your country.
- Keep Cruise Control off when the system is not in use, to avoid inadvertently setting a speed. Check that the Cruise indicator is off.
- Cruise Control does not substitute for proper and safe driving. It is the responsibility of the driver to always drive safely and should always be aware of unexpected and sudden situations from occurring.
- Always drive cautiously to prevent unexpected and sudden situations from occurring. Pay attention to the road conditions at all times.
- Do not use Cruise Control when it may be unsafe to keep the vehicle at a constant speed:
 - When driving in heavy traffic, or when traffic conditions make it difficult to drive at a constant speed
 - When driving on rainy, icy, or snow-covered roads
 - When driving on hilly or windy roads
 - When driving in windy areas
 - When driving with limited view (possibly due to bad weather, such as fog, snow, rain and sandstorm)
- Do not use Cruise Control when towing a trailer.

LANE FOLLOWING ASSIST (LFA) (IF EQUIPPED)

Lane Following Assist detects lane markings and/or a vehicle ahead on the road, and center your vehicle in the lane.

Detecting sensor



[1] : Front view camera

The front view camera is used as a detecting sensor to help detect lane markings and vehicles in front.

Refer to the picture above for the detailed location of the detecting sensor.



CAUTION

For more details on the precautions of the front view camera, refer to "Forward Collision-Avoidance Assist (FCA)" section in chapter 7.

Lane Following Assist Operation

Turning the Lane Following Assist on/off

■ Type A




OQXI073070

■ Type B

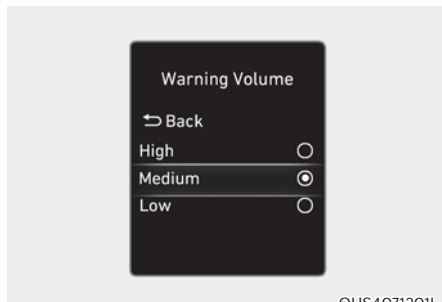


OQXI073071

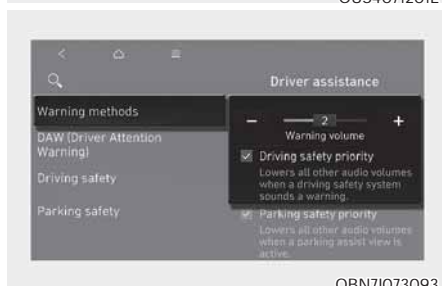
With the engine on, shortly press the Lane Driving Assist button located on the steering wheel to turn on Lane Following Assist. The white or green  indicator light will illuminate on the cluster.

Press the button again to turn off Lane Following Assist.

Warning Methods



OUS4071201L



OBN71073093

The Warning Methods can be set when the vehicle is in ON position.

- **Warning volume:** Select 'User settings → Driver assistance → Warning volume' on the instrument cluster or 'Settings → Vehicle → Driver assistance → Warning methods → Warning volume' on the infotainment system, and adjust the warning volume.
- **Driving safety priority:** Select 'Settings → Vehicle → Driver assistance → Warning methods → Driving safety priority' on the infotainment system, the audio volume is reduced while a warning sounds.

i Information

- If you change the Warning Methods, Warning Methods of other Driver Assistance systems may change.
- Warning Method will maintain its last setting even if the vehicle is restarted.
- The setting menu may not be available for your vehicle depending on the vehicle features and specifications.

Lane Following Assist operation

You can press the Lane Driving Assist button turning Lane Following Assist ON/OFF. The function will warn and control the vehicle with Lane Follow Assist and hands-off warning.

Lane Following Assist



OSU2B071052

If the vehicle ahead and/or both lane markings are detected and your vehicle speed is below 200 km/h (120 mph), the green indicator light illuminates on the cluster, and Lane Following Assist will help center the vehicle in the lane by assisting the steering wheel.



CAUTION

When the steering wheel is not assisted, the green indicator light will blink and change to white.

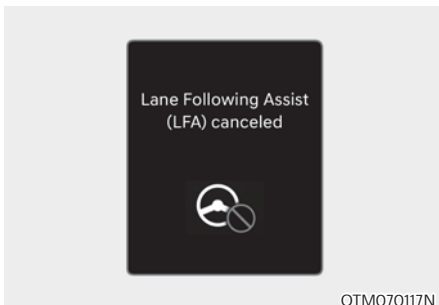
Hands-off warning



If the driver takes their hands off the steering wheel for several seconds, the 'Place hands on the steering wheel' (or 'Keep hands on the steering wheel') warning message will appear and an audible warning will sound in stages.

First stage : Warning message

Second stage : Warning message (red steering wheel) and audible warning



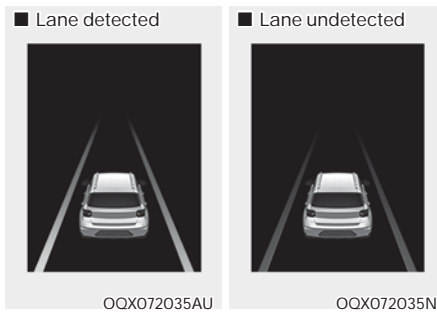
If the driver still does not have their hands on the steering wheel after the hands-off warning, the 'Lane Following Assist (LFA) canceled' warning message will appear and Lane Following Assist will be automatically cancelled.

WARNING

- The steering wheel may not be assisted if the steering wheel is held very tight or the steering wheel is steered over a certain degree.
- Lane Following Assist does not operate at all times. It is the responsibility of the driver to safely steer the vehicle and to maintain the vehicle in its lane.
- The hands-off warning message may appear late depending on road conditions. Always have your hands on the steering wheel while driving.
- If the steering wheel is held very lightly the hands-off warning message may appear because the function may not recognize that the driver has their hands on the steering wheel.
- If you attach objects to the steering wheel, the hands-off warning may not work properly.

i Information

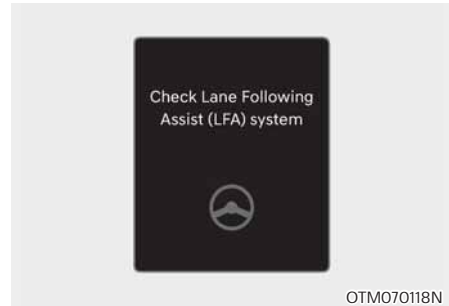
- You may change settings from the instrument cluster (User Settings) or infotainment function (Vehicle Settings), whichever option that is provided with your vehicle. For more details, see "User Settings" section in chapter 4, or "Vehicle Settings" section in supplied Infotainment Manual.
- When the lane markings are detected, the lane lines on the cluster will change from grey to white.




- If lane markings are not detected, steering wheel control by Lane Following Assist can be limited depending on whether a vehicle is in front or the driving conditions of the vehicle.
- Even though the steering is assisted by Lane Following Assist, the driver may control the steering wheel.
- The steering wheel may feel heavier or lighter when the steering wheel is assisted by Lane Following Assist than when it is not.
- The images and colors in the instrument cluster may differ depending on the cluster type or theme selected from the instrument cluster.

Lane Following Assist malfunction and limitations

Lane Following Assist malfunction



When Lane Following Assist is not working properly, the 'Check Lane Following Assist (LFA) function' (or 'Check LFA (Lane Following Assist) function') warning message will appear on the cluster for several seconds, and the master  warning light will illuminate on the cluster. If this occurs, we recommend that the vehicle be inspected by an authorized HYUNDAI dealer.

Limitations of Lane Following Assist

For more details on function limitations, refer to "Lane Keeping Assist (LKA)" section in chapter 7.

i Information

For more details on Lane Following Assist precautions, refer to "Lane Keeping Assist (LKA)" section in chapter 7.

REAR VIEW MONITOR (RVM) (IF EQUIPPED)

Rear View Monitor displays the area behind your vehicle to help with safe parking or driving.

Detecting sensor



[1] : Wide-rear view camera

Refer to the picture above for the detailed location of the wide-rear view camera.

Rear View Monitor settings

Warning Methods



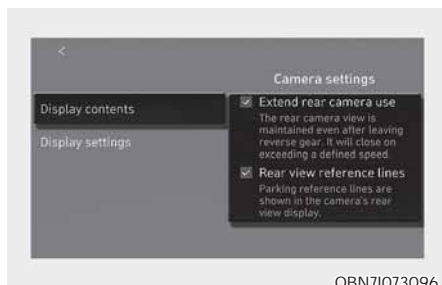
The Warning Methods can be set when the vehicle is in ON position.

- **Parking safety priority:** 'Select Settings → Vehicle → Driver assistance → Warning methods → Parking safety priority' on the infotainment system, the audio volume is reduced while Rear View Monitor is operating.

i Information

- **If you change the Warning Methods, Warning Methods of other Driver Assistance systems may change.**
- **Warning Method will maintain its last setting even if the vehicle is restarted.**
- **The setting menu may not be available for your vehicle depending on the vehicle features and specifications.**

Camera settings



OBN71073096

You can change Rear View Monitor 'Display contents' by touching the setup icon (⚙️) on the screen while Rear View Monitor is operating, or selecting 'Settings → Vehicle → Driver assistance → Parking safety → Camera settings' from the Settings menu while the engine is on.

Extended Rear View Monitor

With the engine on, select 'Camera settings → Display Contents → Extended rear camera use' from the Settings menu to turn on Extended Rear View Monitor function and deselect to turn off the function.

Rear View Parking Lines

If 'Rear view reference lines' is selected, the rear view parking guide lines and rear top view guide lines will be displayed at the left side of the infotainment system screen.

- Display settings: To change the screen's brightness and contrast.

Rear View Monitor operation

Parking/View button



©CX1073106


Press the Parking/View button while the gear is in P (Park) to turn on Rear View Monitor.

Rear view



©CX1073107

Operating conditions

- Shift the gear to R (Reverse), the rear view will appear on the screen.
- Press the Parking/View button (1) while the gear is in P (Park), the rear view will appear on the screen.
- Touch the , the rear view will appear on the screen.

Off conditions

- The rear view cannot be turned off when the gear is in R (Reverse).
- Press the Parking/View button (1) again while the gear is in P (Park) with the rear view on the screen, the rear view will turn off.
- Shift the gear from R (Reverse) to P (Park), the rear view will turn off.




Information

When the gear is in R (Reverse), the rear view does not turn off.

Rear top view



When you touch the  icon, the top view is displayed on the screen and shows the distance from the vehicle in the back of your vehicle while parking.

Extended Rear View Monitor

Extended Rear View Monitor function maintains showing the rear view when the gear is shifted from R (Reverse) to N (Neutral) or D (Drive).

Operating conditions

The gear is shifted from R (Reverse) to N (Neutral) or D (Drive), and vehicle speed is 10 km/h (6 mph) or less.

Off conditions

- When vehicle speed is above 10 km/h (6 mph), the rear view will turn off.
- Shift the gear to P (Park), the rear view will turn off.
- Press the Parking/View button (1), the rear view will turn off.
- Press one of the infotainment system button, the rear view will turn off.

Rear View while driving



The driver is able to check the rear view on the screen while driving, it is to assist with backing up.

Operating conditions

Press the Parking/View button (1) while the gear is in D (Drive) or N (Neutral), the driving rear view will appear on the screen.

i Information

If rear view is being displayed in the screen because of Extended rear view monitor function while the gear is in D (Drive) or N (Neutral) then press the Parking/View button (1) twice, the driving rear view will appear on the screen.

Off conditions

- Press the Parking/View button (1) again, the driving rear view will turn off.
- Press one of the infotainment system button (2), the driving rear view will turn off.
- Shift the gear to P (Park), the driving rear view will turn off.
- If the gear is shifted to R (Reverse), while driving rear view is displayed on the screen, the screen will change to rear view.

Rear View Monitor malfunction and limitations

Rear View Monitor malfunction

When Rear View Monitor is not working properly, or the screen flickers, or the wide-rear view camera image does not display normally, we recommend that the function be inspected by an authorized HYUNDAI dealer.

Limitations of the Rear View Monitor

When the vehicle is stopped for a long time in winter or when the vehicle is parked in an indoor parking lot, the exhaust fumes may temporarily blur the image.



WARNING

- The wide-rear view camera does not cover the complete area behind the vehicle. The driver should always check the rear area directly through the inside and outside rearview mirror before parking or backing up.
- The image shown on the screen may differ from the actual distance of the object. Make sure to directly check the vehicle's surroundings for safety.
- Always keep the wide-rear view camera lens clean. If the lens is covered with foreign material, it may adversely affect camera performance and Rear View Monitor may not operate normally. However, do not use chemical solvents such as strong detergents containing high alkaline or volatile organic solvents (gasoline, acetone etc.). This may damage the camera lens.

REVERSE PARKING DISTANCE WARNING (PDW)

Reverse Parking Distance Warning can help warn the driver if an obstacle is detected within a certain distance when the vehicle is moving in reverse at low speeds.

Detecting sensor

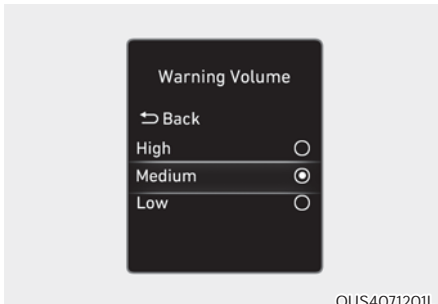


[A] : Rear ultrasonic sensors

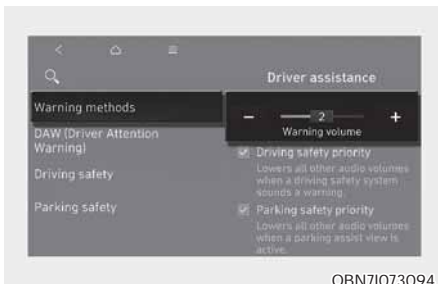
Refer to the picture above for the detailed location of the detecting sensors.

Reverse Parking Distance Warning settings

Warning Methods



OUS4071201L



OBN71073094

The Warning Methods can be set when the vehicle is in ON position.

- **Warning volume:** Select 'User settings → Driver assistance → Warning volume' on the instrument cluster or 'Settings → Vehicle → Driver assistance → Warning methods → Warning volume' on the infotainment

i Information

- **If you change the Warning Methods, Warning Methods of other Driver Assistance systems may change.**
- **Warning Method will maintain its last setting even if the vehicle is restarted.**
- **The setting menu may not be available for your vehicle depending on the vehicle features and specifications.**

Reverse Parking Distance Warning settings

Reverse Parking Distance Warning operation

- Reverse Parking Distance Warning will operate when the gear is in R (Reverse).
- Reverse Parking Distance Warning detects a person, animal or object in the rear when the vehicle's rearward speed is below 10 km/h (6 mph).

Distance from object	Warning indicator	Warning sound
	Driving rearward	
60 ~ 100 cm (24 ~ 39 in.)		Buzzer beeps intermittently
30 ~ 60 cm (12 ~ 24 in.)		Beeps more frequently
within 30 cm (12 in.)		Beeps continuously

- The corresponding indicator will illuminate whenever each ultrasonic sensor detects a person, animal or object in its sensing range. Also an audible warning will sound.
- When more than two objects are detected at the same time, the closest one will be warned with an audible warning.
- The shape of the indicator in the illustration may differ from the actual vehicle.

Reverse Parking Distance Warning malfunction and limitations

Reverse Parking Distance Warning malfunction

After starting the engine, a beep will sound when the gear is shifted to R (Reverse) to indicate the system is operating normally.

However, if one or more of the following occurs, first check whether the ultrasonic sensor is damaged or blocked with foreign materials. If it still does not work properly, we recommend that the function be inspected by an authorized HYUNDAI dealer.

- The audible warning does not sound.
- The buzzer sounds intermittently.
- The 'Check Parking Distance Warning system' warning message appears on the instrument cluster.

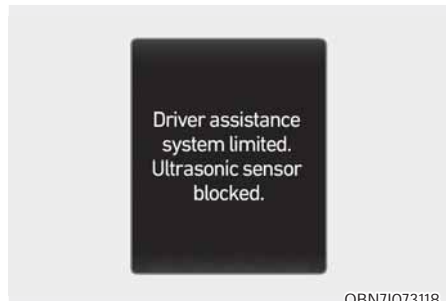


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Parking Distance Warning disabled



OBN71073118

If this occurs the warning message appears on the instrument cluster.

Parking Distance Warning will operate properly when snow, rain or foreign material is removed. If Parking Distance Warning does not operate properly after obstruction (snow, rain, or foreign material) is removed (including trailer, carrier, etc., from the rear bumper), we recommend that the vehicle be inspected by an authorized HYUNDAI dealer.

Limitations of Reverse Parking Distance Warning

- Reverse Parking Distance Warning may not operate normally when:
 - Moisture is frozen to the sensor
 - Sensor is covered with foreign materials, such as snow or water (The system will operate normally when such foreign materials are removed.)
 - The weather is extremely hot or cold
 - The sensor or sensor assembly is disassembled
 - The surface of the sensor is pressed hard or an impact is applied with a hard object
 - The surface of the sensor is scratched with a sharp object
 - The sensors or its surrounding areas are directly sprayed with high pressure washer
- Reverse Parking Distance Warning may malfunction when:
 - Heavy rain or water spray is present
 - Water flows on the surface of the sensor
 - Affected by another vehicle's sensors
 - The sensor is covered with snow
 - Driving on uneven roads, gravel roads or bushes
 - Objects that generate ultrasonic waves are near the sensor
 - Installing the license plate differently from the original location
 - The vehicle bumper height or ultrasonic sensor installation has been modified
 - Attaching equipments or accessories around the ultrasonic sensors

- The following objects may not be detected:
 - Sharp or slim objects such as ropes, chains or small poles.
 - Objects, which tend to absorb sensor frequency, such as clothes, spongy material or snow.
 - Objects smaller than 100 cm (40 in.) in length and narrower than 14 cm (6 in.) in diameter.
 - Pedestrians, animals or objects that are very close to the ultrasonic sensors
- Parking Distance Warning Indicators may be displayed differently from the actual detected location when the obstacle is located between the sensors.
- Parking Distance Warning indicator may not occur sequentially depending on vehicle speed or obstacle shape.
- If Reverse Parking Distance Warning needs repair, we recommend that the system be inspected by an authorized HYUNDAI dealer.



WARNING

- **Reverse Parking Distance Warning is a supplemental system. The operation of the system can be affected by several factors (including environmental conditions). It is the responsibility of the driver to always check the rear view before and while parking.**
- **Your new vehicle warranty does not cover any accidents or damage to the vehicle due to the malfunction of Reverse Parking Distance Warning.**
- **Pay close attention when driving near objects, pedestrians, and especially children. Some objects may not be detected by the ultrasonic sensors, due to the objects distance, size or material, all of which can limit the effectiveness of the sensor.**

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ENGINE COMPARTMENT

■ Petrol Engine (1.2 MPI)



■ Petrol Engine (1.0 T-GDI)



The actual engine room in the vehicle may differ from the illustration.

OQXI072001/OQXI079100

- | | |
|---------------------------------|--------------------------------------|
| 1. Engine coolant reservoir | 6. Engine oil filler cap |
| 2. Radiator cap | 7. Windshield washer fluid reservoir |
| 3. Brake/clutch fluid reservoir | 8. Engine room junction block |
| 4. Air cleaner | 9. Battery |
| 5. Engine oil dipstick | |

* : if equipped

■ Diesel Engine (1.5 VGT)



The actual engine room in the vehicle may differ from the illustration.

OQXI079002/OQXI070051

1. Engine coolant reservoir
2. Radiator cap
3. Brake/clutch fluid reservoir
4. Air cleaner
5. Engine oil dipstick
6. Engine oil filler cap
7. Windshield washer fluid reservoir
8. Engine room junction block
9. Battery

MAINTENANCE SERVICES

You should exercise the utmost care to prevent damage to your vehicle and injury to yourself whenever performing any maintenance or inspection procedures. Inadequate, incomplete or insufficient servicing may result in operational problems with your vehicle that could lead to vehicle damage, an accident, or personal injury.

Owner's responsibility

Information

Maintenance Service and Record Retention are the owner's responsibility.

We recommend in general that you have your vehicle serviced by an authorized HYUNDAI dealer.

You should retain documents that show proper maintenance has been performed on your vehicle in accordance with the scheduled maintenance service charts shown on the following pages. You need this information to establish your compliance with the servicing and maintenance requirements of your vehicle warranties.

Detailed warranty information is provided in your Service Passport.

Repairs and adjustments required as a result of improper maintenance or a lack of required maintenance are not covered when your vehicle is covered by warranty.

Owner maintenance precautions

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

Information

Improper owner maintenance during the warranty period may affect warranty coverage. For details, read the separate Service Passport provided with the vehicle. If you're unsure about any servicing or maintenance procedure, we recommend that the system be serviced by an authorized HYUNDAI dealer.

WARNING

Maintenance work

- **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, we recommend that the system be serviced by an authorized HYUNDAI dealer.**
- **Working under the hood with the engine running is dangerous. It becomes even more dangerous when you wear jewelry or loose clothing. These can become entangled in moving parts and result in injury.**

Therefore, if you must run the engine while working under the hood, make certain that you remove all jewelry (especially rings, bracelets, watches, and necklaces) and all neckties, scarves, and similar loose clothing before getting near the engine or cooling fans.



WARNING

Do not leave gloves, rags or any other combustible material in the engine compartment. Doing so may cause a heat-induced fire.

NOTICE

- Do not put heavy objects or apply excessive force on top of the engine cover (if equipped) or fuel related parts.
- When you inspect the fuel system (fuel lines and fuel injection devices), we recommend that you contact an authorized HYUNDAI dealer.
- Do not drive long time with the engine cover(if equipped) removed.
- When checking the engine room, do not go near fire. Fuel, washer fluid, etc. are flammable oils that may cause fire.

- Before touching the battery, ignition cables and electrical wiring, you should disconnect the battery “-” terminal. You may get an electric shock from the electric current.
- When you remove the interior trim cover with a flat head (-) driver, be careful not to damage the cover.
- Be careful when you replace and clean bulbs to avoid burns or electrical shock.



WARNING

Diesel Engine

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 touches the body. People using pacemakers should not move more than 30cm closer to the ECU or wiring harness within the engine room while engine is running, since the high currents in the electronic engine control system produce considerable magnetic fields.

Engine compartment precautions (Diesel engine)

- The injector operates at high voltage (maximum 200v). Therefore, the following accidents may occur.
 - Direct contact with the injector or injector wiring may cause electric shock or damage your muscle or nerve system.
 - The electromagnetic wave from the operating injector may cause the artificial heart pacemaker to malfunction.
- Follow the safety tips provided below, when you are checking the engine room while the engine is running.
 - Do not touch the injector, injector wirings, and the engine computer while the engine is running.
 - Do not remove the injector connector while the engine is running.
 - People using pacemakers must not go near the engine while the engine is starting or running.

OWNER MAINTENANCE

The following lists are vehicle checks and inspections that should be performed at the frequencies indicated to help ensure safe, dependable operation of your vehicle.

Any adverse conditions should be brought to the attention of your dealer as soon as possible.

These Owner Maintenance Checks are generally not covered by warranties and you may be charged for labor, parts and lubricants used.

Owner maintenance schedule

When you stop for fuel:

- Check the coolant level in coolant reservoir.
- Check the windshield washer fluid level.
- Look for low or under-inflated tires.
- Check the radiator and condenser. Check if the front of the radiator and condenser are clean and not blocked with leaves, dirt or insects etc.

If any of the above parts are extremely dirty or you are not sure of their condition, we recommend that you contact an authorized HYUNDAI dealer.



WARNING

Be careful when checking your engine coolant level when the engine is hot. Scalding hot coolant and steam may blow out under pressure. This could cause burns or other serious injury.

While operating your vehicle:

- Note any changes in the sound of the exhaust or any smell of exhaust fumes in the vehicle.
- Check for vibrations in the steering wheel. Notice any increased steering effort or looseness in the steering wheel, or change in its straight-ahead position.
- Notice if your vehicle constantly turns slightly or “pulls” to one side when traveling on smooth, level road.
- When stopping, listen and check for unusual sounds, pulling to one side, increased brake pedal travel or “hard-to-push” brake pedal.
- If any slipping or changes in the operation of your transmission occurs, check the transmission fluid level.
- Check dual clutch transmission P (Park) function.
- Check the parking brake.
- Check for fluid leaks under your vehicle (water dripping from the air conditioning system during or after use is normal).

At least monthly:

- Check the coolant level in the engine coolant reservoir.
- Check the operation of all exterior lights, including the stoplights, turn signals and hazard warning flashers.
- Check the inflation pressures of all tires including the spare for tires that are worn, show uneven wear, or are damaged.
- Check for loose wheel lug nuts.

At least twice a year (For example, every Spring and Fall):

- Check the radiator, heater and air conditioning hoses for leaks or damage.
- Check the windshield washer spray and wiper operation. Clean wiper blades with clean cloth dampened with washer fluid.
- Check the headlight alignment.
- Check the muffler, exhaust pipes, shields and clamps.
- Check the lap/shoulder belts for wear and function.

At least once a year:

- Clean the body and door drain holes.
- Lubricate the door hinges and checks, and hood hinges.
- Lubricate the door and hood locks and latches.
- Lubricate the door rubber weatherstrips.
- Check the air conditioning system.
- Inspect and lubricate dual clutch transmission linkage and controls.
- Clean the battery and terminals.
- Check the brake/clutch fluid level.

NORMAL MAINTENANCE SCHEDULE - FOR PETROL & DIESEL ENGINE

- *1. Check the engine oil level and leak every 500 km (350 miles) or before starting a long trip.
- *2. Driving in ambient temperature over 40°C (104°F) or driving at constant highway speeds must conform the severe driving conditions.
- *3. The engine oil level should be checked regularly and maintained properly. Operating with an insufficient amount of oil can damage the engine, and such damage is not covered by warranty.
- *4. Inspect for excessive valve noise and/or engine vibration and adjust if necessary. We recommend that an authorized HYUNDAI dealer should perform the operation.
- *5. When adding coolant, use only deionized water or soft water for your vehicle and never mix hard water in the coolant filled at the factory. An improper coolant mixture can result in serious malfunction or engine damage.
- *6. Manual/Dual Clutch transaxle fluid should be changed anytime the vehicle has been submerged in water.
- *7. If good quality petrol that meet European Fuel standards (EN228) or equivalents including fuel additives is not available, one bottle of additive is recommended. Additives are available from your authorised HYUNDAI dealer along with information on how to use them. Do not mix other additives.
- *8. Maintenance schedule depends on fuel quality. If there are some important safety matters like fuel flow restriction, surging, loss of power, difficulty in starting problems etc., we recommend replacing the fuel filter immediately regardless of maintenance schedule and consulting with an authorized HYUNDAI dealer for details.
- *9. Inspect drive belt tensioner, idler & alternator pulley, starter & all chassis electrical items. Correct or replace if necessary.
- *10. For your convenience, it can be replaced prior to it's interval when you do maintenance of other items.

NORMAL MAINTENANCE SCHEDULE - PETROL ENGINE

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first								
	1.5	10	20	30	40	50	60	70	80
MAINTENANCE ITEM	Months	12	24	36	48	60	72	84	96
	Years	1	2	3	4	5	6	7	8
ENGINE BAY									
Engine oil & filter*1*2*3	I	R	R	R	R	R	R	R	R
Drive belt	-	-	-	I	-	-	-I	-	I
Air cleaner filter	C	C	R	C	R	C	R	C	R
Battery condition & specific gravity	C	C	C	R	C	C	R	C	C
Spark Plugs*10	I	I	I	I	I	I	I	I	I
Kappa 1.0 T-GDI	Replace at every 70,000 kms								
Kappa 1.2 MPI	Replace at every 60,000 kms								
Valve clearance*4	Inspect at every 90,000 kms or 108 months								
Vacuum Hose	-	-	-	I	-	-	I	-	-
Idle / damper pulley/Adj. Bolt	Inspect when replacing the drive belt or timing belt/chain								
Brake/Clutch fluid	Inspect at every service; Replace at every 40,000 Km or 36 months								
Engine Coolant (topup & specify gravity)*5	Inspect at every service; Replace first at 100,000 Km or 60 months; then at every 40,000 Km or 24 months								
Manual Transmission fluid*6	-	-	-	-	-	-	I	-	-
Dual Clutch / IMT Transmission fluid*6 (if equipped)*6	No check ; No Service Required								
IMT system actuator fluid*6 (if equipped)	-	I	R	I	R	I	R	I	R

I : Inspect and if necessary adjust,top-up, clean or replace C : Clean and Replace if necessary R : Replace

NORMAL MAINTENANCE SCHEDULE - PETROL ENGINE (CONT.)

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first									
	Kmsx1,000	1.5	10	20	30	40	50	60	70	80
MAINTENANCE ITEM	Months	2	12	24	36	48	60	72	84	96
	Years	-	1	2	3	4	5	6	7	8
VEHICLE ON FLOOR										
Wiper (wiper blade , washer fluid)	I	I	I	I	I	I	I	I	I	I
Brake/Clutch (Pedal free play/Pipes/Hoses/Connectors)	I	I	I	I	I	I	I	I	I	I
Fuel filler cap	-	I	I	I	I	I	I	I	I	I
Climate control air filter	I	C	R	C	R	C	R	C	R	C
Check AC system (refrigerant/Compressor)	I	I	I	I	I	I	I	I	I	I
Cooling system (water pump, hoses) & leakage	I	I	I	I	I	I	I	I	I	I
VEHICLE ON LIFT										
Steering gear rack, linkage and boots	I	I	I	I	I	I	I	I	I	I
Exhaust system (leakage and damages)	-	I	I	I	I	I	I	I	I	I
Fuel filter*8	-	-	-	-	-	-	R	-	-	-
Front & rear suspension (linkages & ball joints)	-	-	-	-	-	-	-	I	-	I

I : Inspect and if necessary adjust,top-up, clean or replace

C : Clean and Replace if necessary

R : Replace

NORMAL MAINTENANCE SCHEDULE - PETROL ENGINE (CONT.)

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first										
	Kmsx1,000	1.5	10	20	30	40	50	60	70	80	
	Months	2	12	24	36	48	60	72	84	96	
MAINTENANCE ITEM	Years	-	1	2	3	4	5	6	7	8	
Tyre Pressure, condition & rotation	-	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	
Fuel lines, hoses and connections	-	I	I	I	I	I	I	I	I	I	
Driveshafts & boots	-	I	I	I	I	I	I	I	I	I	
Fluid leakages	I	I	I	I	I	I	I	I	I	I	
Front and rear wheel bearings & bushes	Inspect and if necessary, adjust, clean or replace										
Parking brake (disc/drum, pad/shoe & operation)	-	C	C	C	C	C	C	C	C	C	
Wheel Alignment & Balancing	-	Inspect and if necessary, adjust									
FINAL CHECKS											
Bolt and nuts on chassis and body	I	I	I	I	I	I	I	I	I	I	
Lubricate locks & hinges	I	L	L	L	L	L	L	L	L	L	
Check all electrical systems (Drive belts, alternator) ^{**9}	I	I	I	I	I	I	I	I	I	I	
Warning lights operation & GDS system check	I	I	I	I	I	I	I	I	I	I	
Ext & int. lights, horn & gauges	I	I	I	I	I	I	I	I	I	I	

I : Inspect and if necessary adjust,top-up, clean or replace C : Clean and Replace if necessary R : Replace

TR : Tire Rotation; L : Lubricate

NORMAL MAINTENANCE SCHEDULE - PETROL ENGINE (CONT.)

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first									
	Kmsx1,000	1.5	10	20	30	40	50	60	70	80
MAINTENANCE ITEM	Months	2	12	24	36	48	60	72	84	96
	Years	-	1	2	3	4	5	6	7	8
Power window (if equipped)	I	I	I	I	I	I	I	I	I	I
Sunroof operation (if equipped)	-	C	C	C	C	C	C	C	C	C
All seat belt operation	I	I	I	I	I	I	I	I	I	I
Road test	-	-	-	-	I	-	-	-	-	I

I : Inspect and if necessary adjust,top-up, clean or replace

C : Clean and Replace if necessary

R : Replace

MAINTENANCE UNDER SEVERE USAGE CONDITIONS - PETROL ENGINE

The following items must be serviced more frequently on cars mainly used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

I : Inspect and if necessary, adjust, correct, clean or replace R:Replace or change

Maintenance item	Maintenance operation	Maintenance intervals	Driving condition
Engine oil and engine oil filter	R	Every 5,000 km (3,000 miles) or 6 months	A, B, C, D, E, F, G, H, I, J, K, L
Air cleaner filter	R	Replace more frequently depending on the condition	C, E
Spark plugs	R	Replace more frequently depending on the condition	A, B, F, G, H, I, K
Manual transmission fluid (if equipped)	R	Every 1,20,000 km (80,000 miles)	C, D, E, F, G, H, I, J
Dual clutch transmission fluid (if equipped)	R	Every 1,20,000 km (80,000 miles)	C, D, E, F, G, H, I, J
Steering gear rack, linkage and boots	I	Inspect more frequently depending on the condition	C, D, E, F, G

Maintenance item	Maintenance operation	Maintenance intervals	Driving condition
Front suspension ball joints	I	Inspect more frequently depending on the condition	C, D, E, F, G
Disc brakes and pads, calipers and rotors	I	Inspect more frequently depending on the condition	C, D, E, G, H
Drum brakes and linings (if equipped)	I	Inspect more frequently depending on the condition	C, D, E, G, H
Parking brake	I	Inspect more frequently depending on the condition	C, D, G, H
Driveshaft and boots	I	Inspect more frequently depending on the condition	C, D, E, F, G, H, I, J
Climate control air filter	R	Replace more frequently depending on the condition	C, E

Severe driving conditions

- A. Repeatedly driving short distance of less than 8 km (5 miles) in normal temperature or less than 16 km (10 miles) in freezing temperature
- B. Extensive engine idling or low speed driving for long distances
- C. Driving on rough, dusty, muddy, unpaved, graveled or salt-spread roads
- D. Driving in areas using salt or other corrosive materials or in very cold weather
- E. Driving in the heavy dust condition
- F. Driving in heavy traffic area
- G. Driving on uphill, downhill, or mountain roads repeatedly
- H. Using for towing or camping, and driving with loads on the roof
- I. Driving as patrol car, taxi, commercial car or vehicle towing
- J. Frequently driving under high speed or rapid acceleration/deceleration
- K. Frequently driving in stop-and-go conditions.
- L. Engine oil usage which is not recommended (Mineral type, Semi-synthetic, Lower grade spec, etc.)

NORMAL MAINTENANCE SCHEDULE - DIESEL ENGINE

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first									
	Kmsx1,000	1.5	10	20	30	40	50	60	70	80
MAINTENANCE ITEM	Months	2	12	24	36	48	60	72	84	96
	Years	-	1	2	3	4	5	6	7	8
ENGINE BAY										
Engine oil & filter*1 *2 *3	I	R	R	R	R	R	R	R	R	R
Drive belt	-	-	-	I	-	-	-	-	-	I
Air cleaner filter	-	C	R	C	R	C	R	C	R	C
Battery condition & specific gravity	I	I	I	I	I	I	I	I	I	I
Valve clearance*4	Inspect at every 90,000 kms or 108 months									
Hoses (Vacuum/ EGR / VGT)	-	I	I	I	I	I	I	I	I	I
Idler / damper pulley/Adj. Bolt	Inspect when replacing the drive belt or timing belt/chain									
Brake/Clutch fluid	Inspect at every service; Replace at every 40,000 Km or 36 months									
Engine Coolant (topup & specify gravity)*5	Inspect at every service; Replace first at 100,000 Km or 60 months; then at every 40,000 Km or 24 months									
Manual transaxle fluid*6	-	-	-	-	-	-	-	I	-	I
Dual clutch manual transmission fluid*6 (if equipped)	-	-	-	-	-	-	I	-	-	-
iMT system actuator fluid*6 (if equipped)	-	I	R	I	I	R	I	R	I	R

I : Inspect and if necessary adjust,top-up, clean or replace C : Clean and Replace if necessary R : Replace

NORMAL MAINTENANCE SCHEDULE - DIESEL ENGINE (CONT.)

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first								
	1.5	10	20	30	40	50	60	70	80
MAINTENANCE ITEM	Kmsx1,000	Months	Years						
	2	12	24	36	48	60	72	84	96
	-	1	2	3	4	5	6	7	8
VEHICLE ON FLOOR									
Wiper (wiper blade , washer fluid)	I	I	I	I	I	I	I	I	I
Brake/Clutch (Pedal free play/Pipes/Hoses/Connectors)	I	I	I	I	I	I	I	I	I
Fuel filler cap	-	I	I	I	I	I	I	I	I
Climate control air filter	I	C	R	C	R	C	R	C	R
Check AC system (refrigerant/Compressor)	I	I	I	I	I	I	I	I	I
Cooling system (water pump, hoses) & leakage	I	I	I	I	I	I	I	I	I
VEHICLE ON LIFT									
Steering gear rack, linkage and boots	I	I	I	I	I	I	I	I	I
Exhaust system (leakages & damages)	I	I	I	I	I	I	I	I	I
Fuel filter* ⁸	I	I	R	I	R	I	R	I	R
Urea solution line & connections	I	I	I	I	I	I	I	I	I
Urea solution filler cap	I	I	I	I	I	I	I	I	I
Front & rear suspension (linkages & ball joints)	I	I	I	I	I	I	I	I	I

I : Inspect and if necessary adjust,top-up, clean or replace

C : Clean and Replace if necessary

R : Replace

NORMAL MAINTENANCE SCHEDULE - DIESEL ENGINE (CONT.)

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first										
	Kmsx1,000	1.5	10	20	30	40	50	60	70	80	
MAINTENANCE ITEM	Months	2	12	24	36	48	60	72	84	96	
	Years	-	1	2	3	4	5	6	7	8	
Tyre Pressure,condition & rotation	-	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	I,TR	
Fuel lines, hoses and connections	I	I	I	I	I	I	I	I	I	I	
iMT system clutch tube and line	-	I	I	I	I	I	I	I	I	I	
Driveshafts & boots	I	I	I	I	I	I	I	I	I	I	
Fluid leakages	I	I	I	I	I	I	I	I	I	I	
Front and rear wheel bearings & bushes		Inspect and if necessary, adjust, clean or replace									
Parking brake (disc/drum, pad/shoe & operation)	-	C	C	C	C	C	C	C	C	C	
Wheel Alignment & Balancing		Inspect and if necessary, adjust									
FINAL CHECKS											
Bolt and nuts on chasis and body	I	I	I	I	I	I	I	I	I	I	
Lubricate locks & hinges	I	L	L	L	L	L	L	L	L	L	
Check all electrical systems (Drive belts, alternator)*9	I	I	I	I	I	I	I	I	I	I	
Warning lights operation & GDS system check	I	I	I	I	I	I	I	I	I	I	
Ext & int. lights, horn & gauges	I	I	I	I	I	I	I	I	I	I	

I : Inspect and if necessary adjust,top-up, clean or replace C : Clean and Replace if necessary R : Replace

TR : Tire Rotation; L : Lubricate

NORMAL MAINTENANCE SCHEDULE - DIESEL ENGINE

MAINTENANCE INTERVALS	Number of months or driving distance, whichever comes first									
	Kmsx1,000	1.5	10	20	30	40	50	60	70	80
MAINTENANCE ITEM	Months	2	12	24	36	48	60	72	84	96
	Years	-	1	2	3	4	5	6	7	8
Power window (if equipped)		I	I	I	I	I	I	I	I	I
Sunroof operation (if equipped)		-	C	C	C	C	C	C	C	C
All seat belt operation		I	I	I	I	I	I	I	I	I
Road test		-	-	-	I	-	-	-	-	I

I : Inspect and if necessary adjust,top-up, clean or replace

C : Clean and Replace if necessary

R : Replace

MAINTENANCE UNDER SEVERE USAGE CONDITIONS - DIESEL ENGINE

The following items must be serviced more frequently on cars mainly used under severe driving conditions. Refer to the chart below for the appropriate maintenance intervals.

I : Inspect and if necessary, adjust, correct, clean or replace R:Replace or change

Maintenance item	Maintenance operation	Maintenance intervals	Driving condition
Engine oil and engine oil filter	R	Every 5,000 km (3,000 miles) or 6 months	A, B, C, D, E, F, G, H, I, J, K, L
Air cleaner filter	R	Replace more frequently depending on the condition	C, E
Manual transmission fluid	R	Every 1,20,000 km (80,000 miles)	C, D, E, F, G, H, I, K
Steering gear rack, linkage and boots	I	Inspect more frequently depending on the condition	C, D, E, F, G
Front suspension ball joints	I	Inspect more frequently depending on the condition	C, D, E, F, G
Disc brakes and pads, calipers and rotors	I	Inspect more frequently depending on the condition	C, D, E, G, H

Maintenance item	Maintenance operation	Maintenance intervals	Driving condition
Parking brake	I	Inspect more frequently depending on the condition	C, D, G, H
Driveshaft and boots	I	Inspect more frequently depending on the condition	C, D, E, F, G, H, I, K
Climate control air filter	R	Replace more frequently depending on the condition	C, E

Severe driving conditions

- A. Repeatedly driving short distance of less than 8 km (5 miles) in normal temperature or less than 16 km (10 miles) in freezing temperature
- B. Extensive engine idling or low speed driving for long distances
- C. Driving on rough, dusty, muddy, unpaved, graveled or salt-spread roads
- D. Driving in areas using salt or other corrosive materials or in very cold weather
- E. Driving in the heavy dust condition
- F. Driving in heavy traffic area
- G. Driving on uphill, downhill, or mountain roads repeatedly
- H. Using for towing or camping, and driving with loads on the roof
- I. Driving as patrol car, taxi, commercial car or vehicle towing
- J. Frequently driving under high speed or rapid acceleration/deceleration
- K. Frequently driving in stop-and-go conditions.
- L. Engine oil usage which is not recommended (Mineral type, Semi-synthetic, Lower grade spec, etc.)

EXPLANATION OF SCHEDULED MAINTENANCE ITEMS

Engine oil and filter

The engine oil and filter should be changed at the intervals specified in the maintenance schedule. If the car is being driven in severe conditions, more frequent oil and filter changes are required.

Drive belts

Inspect all drive belts for evidence of cuts, cracks, excessive wear or oil saturation and replace if necessary. Drive belts should be checked periodically for proper tension and adjusted as necessary.

NOTICE

When you are inspecting the belt, place the ignition switch in the LOCK/OFF or ACC position.

Fuel filter

A clogged filter can limit the speed at which the vehicle may be driven, damage the emission system and cause multiple issues such as hard starting. If an excessive amount of foreign matter accumulates in the fuel tank, the filter may require replacement more frequently.

After installing a new filter, run the engine for several minutes, and check for leaks at the connections.

We recommend that the fuel filter be replaced by an authorized HYUNDAI dealer.

Fuel lines, fuel hoses and connections

Check the fuel lines, fuel hoses and connections for leakage and damage. We recommend that the fuel lines, fuel hoses and connections be replaced by an authorized HYUNDAI dealer.



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.

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.

Vacuum crankcase ventilation hoses (if equipped)

Inspect the surface of hoses for evidence of heat and/or mechanical damage. Hard and brittle rubber, cracking, tears, cuts, abrasions, and excessive swelling indicate deterioration. Particular attention should be paid to examine those hose surfaces nearest to high heat sources, such as the exhaust manifold.

Inspect the hose routing to assure that the hoses do not come in contact with any heat source, sharp edges or moving component which might cause heat damage or mechanical wear. Inspect all hose connections, such as clamps and couplings, to make sure they are secure, and that no leaks are present. Hoses should be replaced immediately if there is any evidence of deterioration or damage.

Air cleaner filter

We recommend that the air cleaner filter be replaced by an authorized HYUNDAI dealer.

Spark plugs

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

When assembling parts, be sure to wipe out foreign substances inside and outside of the boot bottom of the ignition coil and the insulator of the spark plug with a soft cloth to prevent contamination of the spark plug insulator.



WARNING

Do not disconnect and inspect spark plugs when the engine is hot. You may burn yourself.

Cooling system

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

Coolant

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

Manual transmission fluid (if equipped)

Inspect the manual transmission fluid according to the maintenance schedule.

Dual clutch transmission fluid (if equipped)

Inspect the dual clutch transmission fluid according to the maintenance schedule.

Brake hoses and lines

Visually check for proper installation, chafing, cracks, deterioration and any leakage. Replace any deteriorated or damaged parts immediately.

Brake/clutch fluid (if equipped)

Check brake/clutch fluid level in the brake fluid reservoir. The level should be between "MIN" (Minimum) and "MAX" (Maximum) marks on the side of the reservoir. Use only hydraulic brake/clutch fluid conforming to DOT 4 specification.

Parking brake

Inspect the parking brake system including the parking brake pedal and cables.

Brake discs, pads, calipers and rotors

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

Suspension mounting bolts

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

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.

Drive shafts and boots

Check the drive shafts, boots and clamps for cracks, deterioration, or damage. Replace any damaged parts and, if necessary, repack the grease.

Air conditioning refrigerant

Check the air conditioning lines and connections for leakage and damage.

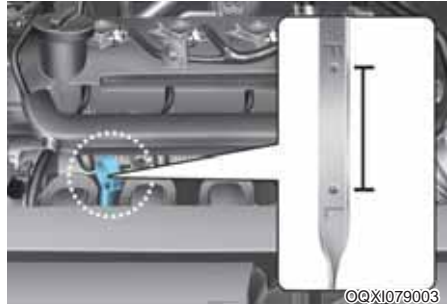
ENGINE OIL

Checking the engine oil level (Petrol engine)

Engine oil is used for lubricating, cooling, and operating various hydraulic components in the engine. Engine oil consumption while driving is normal, and it is necessary to check and refill the engine oil regularly. Also, check and refill the oil level within the recommended maintenance schedule to prevent deterioration of oil performance.

Check the engine oil following the below procedure

1. Follow all of the oil manufacturer's precautions.
2. Be sure the vehicle is on the level ground in P (Park) with the parking brake set and the wheels blocked.
3. Turn the engine on and warm the engine up until the coolant temperature reaches a constant normal temperature.
4. Turn the engine off, remove the oil filler cap and pull the dipstick out. Wait for 15 minutes for the oil to return to the oil pan.
5. Wipe the dipstick clean and re-insert it fully.



6. Pull the dipstick out again and check the level.

WARNING

Radiator hose

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



7. If the oil level is below L, add enough oil to bring the level to F.

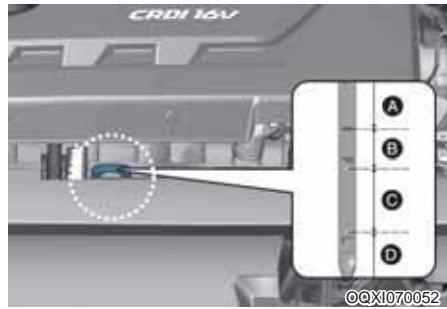
Use only the specified engine oil. (Refer to "Recommended lubricants and capacities" in chapter 9.)

NOTICE

To prevent damage to your engine:

- Do not spill engine oil when adding or changing engine oil. Wipe off spilled oil immediately.
- The engine oil consumption may increase while you break in a new vehicle and it will be stabilized after driving 6,000 km (4,000 miles).
- The engine oil consumption can be affected by driving habits, climate conditions, traffic conditions, oil quality, etc. Therefore, it is recommended that you inspect the engine oil level regularly and refill it if necessary.

Checking the engine oil level (Diesel engine)



Range	Required action
(A)	Recommend to contact an authorized HYUNDAI dealer.
(B)	Do not refill engine oil.
(C)	You may add engine oil as long as the oil level does not go above the C range.
(D)	You must add oil and make sure that the oil level is in the C Range.

1. Follow all of the oil manufacturer's precautions.
2. Be sure the vehicle is on the level ground in P (Park) with the parking brake set and the wheels blocked.
3. Turn the engine on and allow the engine to reach normal operating temperature.
4. Turn the engine off, remove the oil filler cap and pull the dipstick out. Wait for 15 minutes for the oil to return to the oil pan.
5. Wipe the dipstick clean and re-insert it fully.
6. Pull out the dipstick out again and check the level. The level should be in the C range.

NOTICE

To prevent damage to your engine:

- Do not spill engine oil when adding or changing engine oil. Wipe off spilled oil immediately.
- The engine oil consumption may increase while you break in a new vehicle and it will be stabilized after driving 6,000 km (4,000 miles).
- The engine oil consumption can be affected by driving habits, climate conditions, traffic conditions, oil quality, etc. Therefore, it is recommended that you inspect the engine oil level regularly and refill it if necessary.

**CAUTION**

- Do not overfill the engine oil. It may damage the engine.
- Do not spill engine oil, when adding or changing engine oil. If you drop the engine oil on the engine room, wipe it off immediately.
- When you wipe the oil level gauge, you should wipe it with a clean cloth. When mixed with debris, it can cause engine damage.



7. If the level is in the D range, add enough engine oil to bring the level up the range.

Use only the specified engine oil. (Refer to "Recommended lubricants and capacities" in chapter 9.)

NOTICE

To prevent damage to your engine:

- Do not spill engine oil when adding or changing engine oil. Wipe off spilled oil immediately.
- The engine oil consumption may increase while you break in a new vehicle and it will be stabilized after driving 6,000 km (4,000 miles).
- The engine oil consumption can be affected by driving habits, climate conditions, traffic conditions, oil quality, etc. Therefore, it is recommended that you inspect the engine oil level regularly and refill it if necessary.

Changing the engine oil and filter



- We recommend that the engine oil and filter be replaced by an authorized HYUNDAI dealer.
- If the maintenance schedule to replace engine oil is exceeded, the engine oil performance may deteriorate, and the engine condition may be affected. Therefore, replace the engine oil according to the maintenance schedule.
- To keep the engine in optimal condition, use the recommended engine oil and filter. If the recommended engine oil and filter are not used, replace it according to the maintenance schedule under severe usage conditions.
- The purpose of the maintenance schedule for engine oil replacement is to prevent oil deterioration and it is irrelevant to oil consumption. Check and refill engine oil regularly.

WARNING

Used engine oil may cause skin irritation or cancer if left in contact with the skin for prolonged periods of time. Used engine oil contains chemicals that have caused cancer in laboratory animals. Always protect your skin by washing your hands thoroughly with soap and warm water as soon as possible after handling used oil.

ENGINE COOLANT

The high-pressure cooling system has a reservoir filled with year-round antifreeze coolant. The reservoir is filled at the factory.

Check the antifreeze protection and coolant level at least once a year, at the beginning of the winter season, and before traveling to a colder climate.

NOTICE

- Do not drive with no engine coolant. It may cause water pump failure and engine seizure, etc.
- When the engine overheats from low engine coolant, suddenly adding engine coolant may cause cracks in the engine. To prevent damage, add engine coolant slowly in small quantities.

Checking the coolant level



WARNING



Removing radiator cap

- Never attempt to remove the radiator cap while the engine is operating or hot. Doing so might lead to cooling system and engine damage and could result in serious personal injury from escaping hot coolant or steam.

- Turn the engine off and wait until it cools down. Use extreme care when removing the radiator cap. Wrap a thick towel around it, and turn it counterclockwise slowly to the first stop. Step back while the pressure is released from the cooling system. When you are sure all the pressure has been released, press down on the cap, using a thick towel, and continue turning counterclockwise to remove it.
- Even if the engine is not operating, do not remove the radiator cap or the drain plug while the engine and radiator are hot. Hot coolant and steam may still blow out under pressure, causing serious injury.

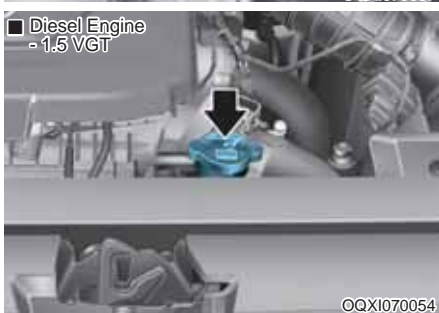


WARNING



The electric motor (cooling fan) is controlled by engine coolant temperature, refrigerant pressure and vehicle speed.

It 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 blades. As the engine coolant temperature decreases, the electric motor will automatically shut off. This is a normal condition.



Check the condition and connections of all cooling system hoses and heater hoses. Replace any swollen or deteriorated hoses.

The coolant level should be filled between F (Full) and L (Low) marked on the side of the coolant reservoir when the engine is cool.

If the coolant level is low, add enough distilled (deionized) water.

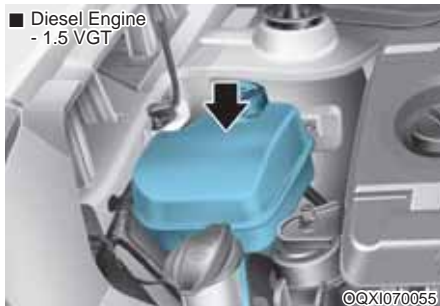
Bring the level to F (Full), but do not overfill. If frequent additions are required, we recommend that the system be inspected by an authorized HYUNDAI dealer.

Recommended engine coolant

- Use only soft (distilled) water in the coolant mixture.
- The engine in your vehicle has aluminum engine parts and must be protected by an ethylene-glycol-based coolant to prevent corrosion and freezing.
- DO NOT USE alcohol or methanol coolant or mix them with the specified coolant.
- Do not use a solution that contains more than 60% antifreeze or less than 35% antifreeze, which would reduce the effectiveness of the solution.

For mixture percentage, refer to the following table.

Ambient Temperature	Mixture Percentage (volume)	
	Antifreeze	Water
-15°C (5°F)	35	65
-25°C (-13°F)	40	60
-35°C (-31°F)	50	50
-45°C (-49°F)	60	40



WARNING



Radiator cap

Do not remove the radiator cap when the engine and radiator are hot. Scalding hot coolant and steam may blow out under pressure causing serious injury.

Changing the coolant

We recommend that the coolant be replaced by an authorized HYUNDAI dealer.

NOTICE

Put a thick cloth or fabric around the radiator cap before refilling the coolant in order to prevent the coolant from overflowing into engine parts such as the alternator.

WARNING

Coolant

- Do not use radiator coolant or antifreeze in the washer fluid reservoir.
- Radiator coolant can severely obscure visibility when sprayed on the windshield and may cause loss of vehicle control or damage to paint and body trim.

BRAKE/CLUTCH FLUID

Checking the brake/clutch fluid level



Check the fluid level in the reservoir periodically. The fluid level should be between MAX (Maximum) and MIN (Minimum) marks on the side of the reservoir.

Before removing the reservoir cap and adding brake/clutch fluid, clean the area around the reservoir cap thoroughly to prevent brake/clutch fluid contamination. If the level is low, add fluid to the MAX (Maximum) level. The level will fall with accumulated mileage. This is a normal condition associated with the wear of the brake linings and/or clutch disc (if equipped).

If the fluid level is excessively low, we recommend that the system be checked by an authorized HYUNDAI dealer.

Use only the specified brake/clutch fluid. (Refer to "Recommended lubricants or capacities" in chapter 9.)

Never mix different types of fluid.

WARNING

Loss of brake fluid

In the event the brake system requires frequent additions of fluid, we recommend that the system be inspected by an authorized HYUNDAI dealer.

Information

Before removing the brake/clutch filter cap, read the warning on the cap.

WARNING

Clean filler cap before removing. Use only DOT4 brake/clutch fluid from a sealed container.

**WARNING****Brake/clutch fluid**

When changing and adding brake/clutch fluid, handle it carefully. Do not let it come in contact with your eyes. If brake/clutch fluid come in contact with your eyes, immediately flush them with a large quantity of fresh tap water. Have your eyes examined by a doctor as soon as possible.

NOTICE

- Do not allow brake/clutch fluid to contact the vehicle's body paint, as it will result in paint damage.
- NEVER use brake fluid which has been exposed to open air for an extended time, as its quality cannot be guaranteed. It should be properly disposed.
- Do not put in the wrong kind of fluid. A few drops of mineral-based oil such as engine oil in your brake/clutch system can damage brake/clutch system parts.

INTELLIGENT MANUAL TRANSMISSION (iMT) SYSTEM ACTUATOR FLUID

Checking the iMT system actuator fluid level

In normal driving conditions, the actuator fluid level does not go down rapidly.

However, oil consumption rate may rise as vehicle mileage increases, and leakage in actuator related parts may result in increased consumption of the iMT system actuator oil. Regularly check and make sure the iMT system actuator oil fluid level is between MIN and MAX marks.

If the oil level is below MIN mark, have the vehicle checked by a professional workshop. We recommend that you contact an authorized HYUNDAI dealer. Use only the specified iMT system actuator fluid. (Refer to Recommended lubricants or capacities.) Never mix different types of fluid.

NOTICE

Loss of iMT system actuator fluid
In the event the iMT system actuator requires frequent additions of fluid, have the system inspected by a professional workshop.

We recommend that you contact an authorized HYUNDAI dealer.

NOTICE

iMT system actuator fluid When changing and adding iMT system actuator fluid, handle it carefully.

Do not let it come in contact with your eyes.

If iMT system actuator fluid should come in Contact with your eyes, immediately flush them with a large quantity of fresh tap water.

Have your eyes examined by a doctor as soon as possible.



CAUTION

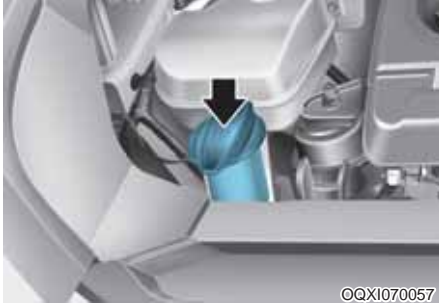
Do not allow iMT system actuator fluid to contact the vehicle's body paint, as paint damage will result.

The iMT system actuator fluid, which has been exposed to open air for an extended time should never be used as its quality cannot be guaranteed. It should be properly disposed.

Don't put in the wrong kind of fluid. A few drops of mineral based oil, such as engine oil, in your iMT system actuator can damage iMT system actuator parts.

WASHER FLUID

Checking the washer fluid level



Check the fluid level in the washer fluid reservoir and add fluid if necessary. Plain water may be used if washer fluid is not available.

However, use washer solvent with antifreeze characteristics in cold climates to prevent freezing.

WARNING

Coolant

- Do not use radiator coolant or antifreeze in the washer fluid reservoir.
- Radiator coolant can severely obscure visibility when sprayed on the windshield and may cause loss of vehicle control or damage to the paint and body trim.
- Windshield washer fluid agents contain some amounts of alcohol and can be flammable under certain circumstances. Do not allow sparks or flame come in contact with the washer fluid or the washer fluid reservoir. Damage to the vehicle or occupants could occur.
- Windshield washer fluid is poisonous to humans and animals. Do not drink and avoid coming in contact with the windshield washer fluid. Serious injury or death could occur.

PARKING BRAKE

Checking the parking brake



Check the stroke of the parking brake by counting the number of “clicks” heard while fully applying it from the released position. Also, the parking brake alone should securely hold the vehicle on a fairly steep grade. If the stroke is more or less than specified, we recommend that the system be inspected by an authorized HYUNDAI dealer.

Stroke : 6~8 “clicks” at a force of 20 kg (44 lbs, 196 N).

FUEL FILTER (FOR DIESEL)

Draining water from fuel filter

The fuel filter for diesel engine plays an important role of separating water from fuel and accumulating the water in its bottom.

If water accumulates in the fuel filter, the warning light comes on when the ignition switch is in the ON position.

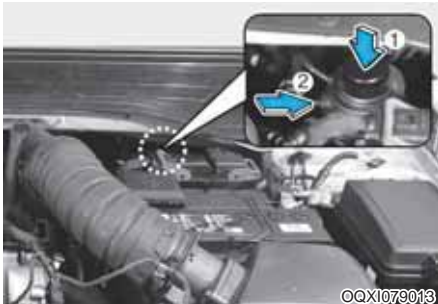


If this warning light turned on, we recommend that the system be serviced by an authorized HYUNDAI dealer.

NOTICE

If the water accumulated in the fuel filter is not drained at proper times, damages to the major parts such as the fuel system can be caused by water permeation in the fuel filter.

Extracting air from the fuel filter



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

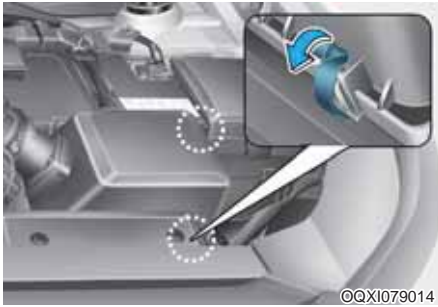
1. Pump up and down(1) approximately 50 times until the pump is hard.
2. Extract air from the fuel filter by removing the bolt(2) with a cross-tip screw driver and reinstall the bolt(2).
3. Pump up and down(1) approximately 15 times.
4. Extract air from the fuel filter by removing the bolt(2) with a cross-tip screw driver and reinstall the bolt(2).
5. Pump up and down(1) approximately 5 times.

i Information

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

AIR CLEANER

Filter replacement



You can clean the filter when inspecting the air cleaner element.

Clean the filter by using compressed air.

1. Loosen the air cleaner cover attaching clips and open the cover.



2. Remove the used filter and wipe the inside of the air cleaner housing carefully not to remain dusts in the cover housing.
3. Place new filter with clean hands and ensure the rubber gasket is not taken off.
4. Lock the cover with attaching clips.

Replace the filter according to the Maintenance Schedule.

If the vehicle is operated in extremely dusty or sandy areas, replace the element more often than the usual recommended intervals. (Refer to "Maintenance under severe usage conditions" in this chapter.)

NOTICE

- **Do not drive with the filter removed; this will result in excessive engine wear.**
- **When replacing the air cleaner filter, be careful that dust or dirt does not enter the air intake, or damage may result.**
Keep the new filter clean of any contamination while replacing.
- **We recommend that you use parts for replacement from an authorized HYUNDAI dealer.**



CAUTION

Don't clean the used filter. It can cause contaminations on the clean side of filter to result in engine wear or sensors' failure.

CLIMATE CONTROL AIR FILTER

Filter inspection

If the vehicle is operated in the severely air-polluted cities or on dusty rough roads for a long period, it should be inspected more frequently and cleaned earlier. When you, the owner, clean the climate control air filter, clean it performing the following procedure, and be careful to avoid damaging other components.

Replace the filter according to the maintenance Schedule.

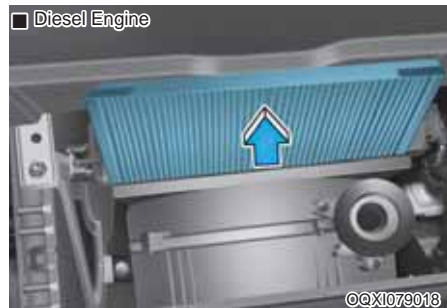
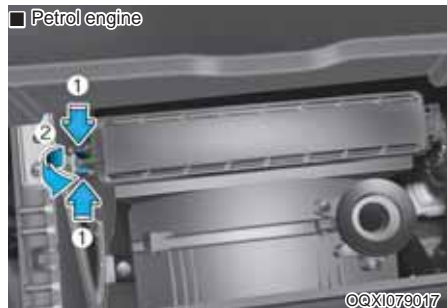
Filter replacement



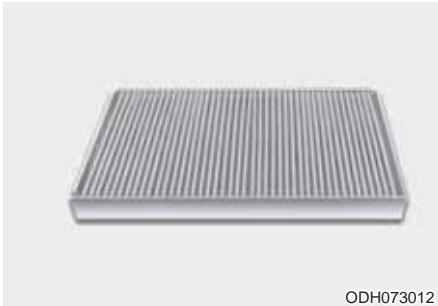
1. Open the glove box.



2. Push in both sides of the glove box as shown. This will ensure that the glove box stopper pins will get released from its holding location allowing the glove box to hang.



3. Remove the climate control air filter cover by pushing or pressing the clip (1) on left side.



4. Clean the climate control air filter.
5. Reassemble in the reverse order of disassembly.

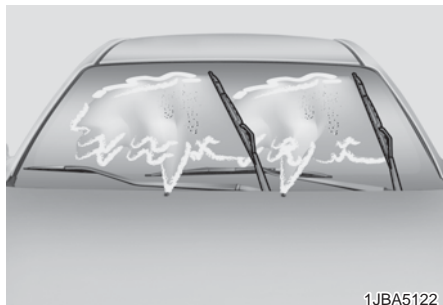
NOTICE

Install a new climate control air filter in the correct direction with the arrow symbol (↓) facing downwards.

Otherwise, the climate control effects may decrease, possibly with a noise.

WIPER BLADES

Blade inspection



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i Information

Commercial hot waxes applied by automatic car washes have been known to make the windshield difficult to clean.

Contamination of either the windshield or the wiper blades with foreign matter can reduce the effectiveness of the windshield wipers. Common sources of contamination are insects, tree sap, and hot wax treatments used by some commercial car washes. If the blades are not wiping properly, clean both the window and the blades with a good cleaner or mild detergent, and rinse thoroughly with clean water.

NOTICE

To prevent damage to the wiper blades, do not use petrol, kerosene, paint thinner, or other solvents on or near them.

Blade replacement

When the wipers no longer clean adequately, the blades may be worn or cracked, and require replacement.

NOTICE

To prevent damage to the wiper arms or other components, do not attempt to move the wipers manually.

NOTICE

The use of a non-specified wiper blade could result in wiper malfunction and failure.

Front windshield wiper blade

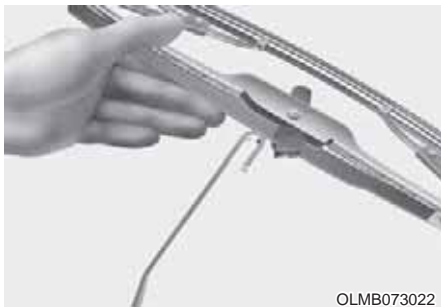
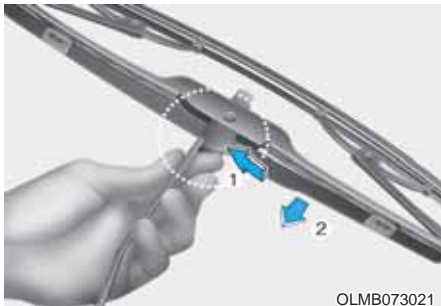


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1. Raise the wiper arm and turn the wiper blade assembly to expose the plastic locking clip.

NOTICE

Do not allow the wiper arm to fall against the windshield, since it may chip or crack the windshield.



2. Compress the clip and slide the blade assembly downward.
3. Lift it off the arm.
4. Install the blade assembly in the reverse order of removal.

Rear window wiper blade (if equipped)



1. Raise the wiper arm and rotate the wiper blade assembly (1).
2. Pull out the wiper blade assembly.



3. Install the new blade assembly by inserting the center part into the slot in the wiper arm until it clicks into place.
4. Make sure the blade assembly is installed firmly by trying to pull it slightly.

To prevent damage to the wiper arms or other components, we recommend that the wiper blade be replaced by an authorized HYUNDAI dealer.

BATTERY

For best battery service



©QXI079019

- Keep the battery securely mounted.
- Keep the battery top clean and dry.
- Keep the terminals and connections clean, tight, and coated with petroleum jelly or terminal grease.
- Rinse any spilled electrolyte from the battery immediately with a solution of water and baking soda.
- If the vehicle is not going to be used for an extended disconnect the negative terminal cable of the battery to prevent discharge.

i Information - For batteries marked with UPPER and LOWER



OHYK077011

If your vehicle is equipped with a battery marked with LOWER (MIN) and UPPER (MAX) on the side, you should check the electrolyte level.

The electrolyte level should be between LOWER (MIN) and UPPER (MAX). When the electrolyte level is low, add distilled (or de-mineralized) water. (Never add sulfuric acids or other electrolyte).

Be careful not to spill distilled (or de-mineralized) water over the battery surface or other adjacent components.

Also, do not overfill the battery cells.

If not, it may corrode the battery or other components. Finally, securely close the cell cap. However, we recommend you to contact an authorized HYUNDAI dealer for better battery service.

 **WARNING**

Battery dangers



Always read the following instructions carefully when handling a battery.



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



Hydrogen, 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 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.



The battery contains lead. Do not dispose of it after use. Please return the battery to an authorized HYUNDAI dealer to be recycled.

- 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 recharge 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.

Failure to follow the above warnings can result in serious bodily injury or death.

NOTICE

Always follow these instructions when handling your vehicle's battery to prevent damage to your battery:

- When you do not use the vehicle for a long time in a low temperature area, disconnect the battery and keep it indoors.
- Always charge the battery fully to prevent battery case damage in low temperature areas.
- Prevent liquid from wetting the battery terminals. The performance of the battery may be degraded, and may cause injury. Be cautious when loading liquid in the trunk.
- Do not tilt the battery.
- If you connect unauthorized electronic devices to the battery, the battery may be discharged. Never use unauthorized devices.

Battery capacity label



* The actual battery label in the vehicle may differ from the illustration.

1. CMF60L : The HYUNDAI model name of battery
2. 12V : The nominal voltage
3. 60Ah(20HR) : The nominal capacity (in Ampere hours)
4. RC 92min : The nominal reserve capacity (in min.)
5. CCA 550A : The cold-test current in amperes by SAE
6. 550A : The cold-test current in amperes by EN

NOTICE

Make sure the battery is installed securely when it is replaced. If the battery vibrates while driving, the case and electrode plate can be damaged.

Battery recharging

Your vehicle has a maintenance-free, calcium-based battery.

- If the battery becomes discharged in a short time (because, for example, the headlights or interior lights were left on while the vehicle was not in use), recharge it by slow charging (trickle) for 10 hours.
- If the battery gradually discharges because of high electric load while the vehicle is being used, recharge it at 20-30A for two hours.



WARNING

Recharging battery

When recharging the battery, observe the following precautions:

- **The battery must be removed from the vehicle and placed in an area with good ventilation.**
- **Do not allow cigarettes, sparks, or flame near the battery.**
- **Watch the battery during charging, and stop or reduce the charging rate if the battery cells begin gassing (boiling) violently or if the temperature of the electrolyte of any cell exceeds 49°C (120°F).**
- **Wear eye protection when checking the battery during charging.**
- **Disconnect the battery charger in the following order.**
 1. Turn off the battery charger main switch.
 2. Unhook the negative clamp from the negative battery terminal.
 3. Unhook the positive clamp from the positive battery terminal.



WARNING

- **Before performing maintenance or recharging the battery, turn off all accessories and stop the engine.**
- **The negative battery cable must be removed first and installed last when the battery is disconnected.**

Reset items

Items should be reset after the battery has been discharged or the battery has been disconnected.

- Auto up/down window (See chapter 3)
- Climate control system (See chapter 3)
- Audio (See chapter 3)

Battery replacement

Replacing a Battery required precautionary measures.

We recommend that you consult an authorized HYUNDAI dealer.

TIRES AND WHEELS

Tire care

For proper maintenance, safety, and maximum fuel economy, you must always maintain recommended tire inflation pressures and stay within the load limits and weight distribution recommended for your vehicle.

Recommended cold tire inflation pressures

All tire pressures (including the spare) should be checked when the tires are cold. "Cold Tires" means the vehicle has not been driven for at least three hours or driven less than 1.6 km (one mile).

Recommended pressures must be maintained for the best ride, top vehicle handling, and minimum tire wear.

For recommended inflation pressure, refer to "Tire and wheels" in chapter 8.



All specifications (sizes and pressures) can be found on a label attached to the vehicle.

WARNING

Tire underinflation

Severe underinflation (70 kPa (10 psi) or more) can lead to severe heat build-up, causing blowouts, tread separation and other tire failures that can result in the loss of vehicle control leading to severe injury or death. This risk is much higher on hot days and when driving for long periods at high speeds.

NOTICE

- Underinflation also results in excessive wear, poor handling and reduced fuel economy. Wheel deformation also is possible. Keep your tire pressures at the proper levels. If a tire frequently needs refilling, we recommend that the system be checked by an authorized HYUNDAI dealer.
- Overinflation produces a harsh ride, excessive wear at the center of the tire tread, and a greater possibility of damage from road hazards.

NOTICE

- Warm tires normally exceed recommended cold tire pressures by 28 to 41 kPa (4 to 6 psi). Do not release air from warm tires to adjust the pressure or the tires will be underinflated.
- Be sure to reinstall the tire inflation valve caps. Without the valve cap, dirt or moisture could get into the valve core and cause air leakage. If a valve cap is missing, install a new one as soon as possible.



WARNING

Tire Inflation

Overinflation or underinflation can reduce tire life, adversely affect vehicle handling, and lead to sudden tire failure. This could result in loss of vehicle control and potential injury.

NOTICE

Tire pressure

Always observe the following:

- Check tire pressure when the tires are cold. (After vehicle has been parked for at least three hours or hasn't been driven more than 1.6 km (one mile) since startup.)
- Check the pressure of your spare tire each time you check the pressure of other tires.
- Never overload your vehicle. Be careful not to overload a vehicle luggage rack if your vehicle is equipped with one.
- Worn, old tires can cause accidents. If your tread is badly worn, or if your tires have been damaged, replace them.

Checking tire inflation pressure

Check your tires once a month or more.

Also, check the tire pressure of the spare tire.

How to check

Use a good quality gage to check tire pressure. You can not tell if your tires are properly inflated simply by looking at them. Radial tires may look properly inflated even when they're underinflated.

Check the tire's inflation pressure when the tires are cold. - "Cold" means your vehicle has been sitting for at least three hours or driven no more than 1.6 km (1 mile).

Remove the valve cap from the tire valve stem. Press the tire gage firmly onto the valve to get a pressure measurement. If the cold tire inflation pressure matches the recommended pressure on the tire and loading information label, no further adjustment is necessary. If the pressure is low, add air until you reach the recommended amount.

If you overfill the tire, release air by pushing on the metal stem in the center of the tire valve. Recheck the tire pressure with the tire gage. Be sure to put the valve caps back on the valve stems. They help prevent leaks by keeping out dirt and moisture.



WARNING

- **Inspect your tires frequently for proper inflation as well as wear and damage. Always use a tire pressure gauge.**
- **Tires with too much or too little pressure wear unevenly causing poor handling, loss of vehicle control, and sudden tire failure leading to accidents, injuries, and even death. The recommended cold tire pressure for your vehicle can be found in this manual and on the tire label located on the driver's side center pillar.**
- **Worn tires can cause accidents. Replace tires that are worn, show uneven wear, or are damaged.**
- **Remember to check the pressure of your spare tire. HYUNDAI recommends that you check the spare every time you check the pressure of the other tires on your vehicle.**

Tire rotation

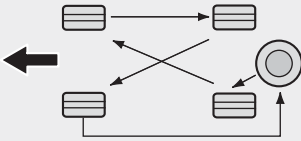
To equalize tread wear, it is recommended that the tires be rotated every 10,000 km (6,200 miles) or sooner if irregular wear develops.

During rotation, check the tires for correct balance.

When rotating tires, check for uneven wear and damage. Abnormal wear is usually caused by incorrect tire pressure, improper wheel alignment, out-of-balance wheels, severe braking or severe cornering. Look for bumps or bulges in the tread or side of tire. Replace the tire if you find either of these conditions. Replace the tire if fabric or cord is visible. After rotation, be sure to bring the front and rear tire pressures to specification and check lug nut tightness.

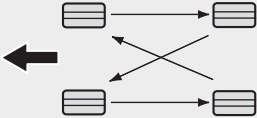
Refer to "Tire and wheels" in chapter 8.

■ With a full-size spare tire (if equipped)



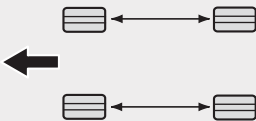
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■ Without a spare tire



CBGQ0707

■ Directional tires (if equipped)



CBGQ0707A

Disc brake pads should be inspected for wear whenever tires are rotated.

i Information

Rotate radial tires that have an asymmetric tread pattern only from front to rear and not from right to left.

⚠ WARNING

- Do not use the compact spare tire for tire rotation.
- Do not mix bias ply and radial ply tires under any circumstances. This may cause unusual handling characteristics that could result in death, severe injury, or property damage.

Wheel alignment and tire balance

The wheels on your vehicle were aligned and balanced carefully at the factory to give you the longest tire life and best overall performance.

In most cases, you will not need to have your wheels aligned again. However, if you notice unusual tire wear or your vehicle pulling one way or the other, the alignment may need to be reset.

If you notice your vehicle vibrating when driving on a smooth road, your wheels may need to be rebalanced.

NOTICE

Improper wheel weights can damage your vehicle's aluminum wheels. Use only approved wheel weights.

Tire replacement



If the tire is worn evenly, a tread wear indicator will appear as a solid band across the tread. This shows there is less than 1.6 mm (1/16 inch) of tread left on the tire. Replace the tire when this happens.

Do not wait for the band to appear across the entire tread before replacing the tire.

NOTICE

When replacing the tires, recheck and tighten the wheel nuts after driving about 1,000 km (620 miles). If the steering wheel shakes or the vehicle vibrates while driving, the tire is out of balance. Align the tire balance. If the problem is not solved, we recommend that you contact an authorized HYUNDAI dealer.

WARNING

Replacing tires

- To reduce the chance of serious or fatal injuries from an accident caused by tire failure or loss of vehicle control:
- Replace tires that are worn, show uneven wear, or are damaged. Worn tires can cause loss of braking effectiveness, steering control, and traction.
- Do not drive your vehicle with too little or too much pressure in your tires. This can lead to uneven wear and tire failure.
- When replacing tires, never mix radial and bias-ply tires on the same car. You must replace all tires (including the spare) if moving from radial to bias-ply tires.
- It is best to replace all four tires at the same time. If that is not possible, or necessary, then replace the two front or two rear tires as a pair. Replacing just one tire can seriously affect your vehicle's handling.
- Using tires and wheels other than the recommended sizes could cause unusual handling characteristics and poor vehicle control, resulting in a serious accident.

- **Wheels that do not meet HYUNDAI's specifications may fit poorly and result in damage to the vehicle or unusual handling and poor vehicle control.**
- **The ABS works by comparing the speed of the wheels. Tire size can affect wheel speed. When replacing tires, all 4 tires must use the same size originally supplied with the vehicle. Using tires of a different size can cause the ABS (Anti-lock Brake System) and ESC (Electronic Stability Control) to work irregularly. (if equipped)**

Compact spare tire replacement (if equipped)

A compact spare tire has a shorter tread life than a regular size tire. Replace it when you can see the tread wear indicator bars on the tire. The replaced compact spare tire should be the same size and design tire as the one provided with your new vehicle and should be mounted on the same compact spare tire wheel. The compact spare tire is not designed to be mounted on a regular size wheel, and the compact spare tire wheel is not designed to mount a regular size tire.

Wheel replacement

When replacing the metal wheels for any reason, make sure the new wheels are equivalent to the original factory units in diameter, rim width and offset.

WARNING

A wheel that is not the correct size may adversely affect wheel and bearing life, braking and stopping abilities, handling characteristics, ground clearance, body-to-tire clearance, snow chain clearance, speedometer and odometer calibration, headlight aim and bumper height.

Tire traction

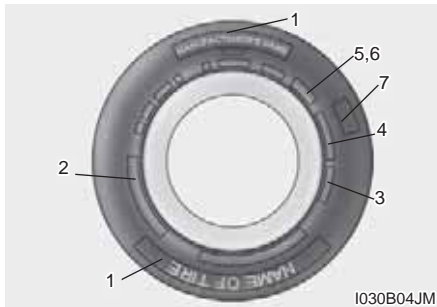
Tire traction can be reduced if you drive on worn tires, tires that are improperly inflated or on slippery road surfaces. Tires should be replaced when tread wear indicators appear. Slow down whenever there is rain, snow or ice on the road, to reduce the possibility of losing control of the vehicle.

Tire maintenance

In addition to proper inflation, correct wheel alignment helps decrease tire wear. If you find a tire worn unevenly, have your dealer check the wheel alignment.

When you have new tires installed, make sure they are balanced. This will increase vehicle ride comfort and tire life. Additionally, a tire should always be rebalanced if it is removed from the wheel.

Tire sidewall labeling



This information identifies and describes the fundamental characteristics of the tire and also provides the tire identification number (TIN) for safety standard certification. The TIN can be used to identify the tire in case of a recall.

1. Manufacturer or brand name

Manufacturer or Brand name is shown.

2. Tire size designation

A tire's sidewall is marked with a tire size designation. You will need this information when selecting replacement tires for your car. The following explains what the letters and numbers in the tire size designation mean.

Example tire size designation:

(These numbers are provided as an example only; your tire size designator could vary depending on your vehicle.)

P195/65R15 91H

P - Applicable vehicle type (tires marked with the prefix "P" are intended for use on passenger cars or light trucks; however, not all tires have this marking).

195 - Tire width in millimeters.

65 - Aspect ratio. The tire's chapter height as a percentage of its width.

R - Tire construction code (Radial).

15 - Rim diameter in inches.

91 - Load Index, a numerical code associated with the maximum load the tire can carry.

H - Speed Rating Symbol. See the speed rating chart in this chapter for additional information.

Wheel size designation

Wheels are also marked with important information that you need if you ever have to replace one. The following explains what the letters and numbers in the wheel size designation mean.

Example wheel size designation:

6.0JX15

6.0 - Rim width in inches.

J - Rim contour designation.

15 - Rim diameter in inches.

Tire speed ratings

The chart below lists many of the different speed ratings currently being used for passenger car tires. The speed rating is part of the tire size designation on the sidewall of the tire. This symbol corresponds to that tire's designed maximum safe operating speed.

Speed Rating Symbol	Maximum Speed
S	180 km/h (112 mph)
T	190 km/h (118 mph)
H	210 km/h (130 mph)
V	240 km/h (149 mph)
W	270 km/h (168 mph)
Y	300 km/h (186 mph)

3. Checking tire life (TIN : Tire Identification Number)

Any tires that are over 6 years old, based on the manufacturing date, (including the spare tire) should be replaced by new ones. You can find the manufacturing date on the tire sidewall (possibly on the inside of the wheel), displaying the DOT Code. The DOT Code is a series of numbers on a tire consisting of numbers and English letters. The manufacturing date is designated by the last four digits (characters) of the DOT code.

DOT : XXXX XXXX OOOO

The front part of the DOT means a plant code number, tire size and tread pattern and the last four numbers indicate week and year manufactured.

For example:

DOT XXXX XXXX 1623 represents that the tire was produced in the 16th week of 2023.

WARNING

Tire age

Tires degrade over time, even when they are not being used.

Regardless of the remaining tread, it is recommended that tires generally be replaced after six (6) years of normal service. Heat caused by hot climates or frequent high loading conditions can accelerate the aging process. Failure to follow this warning could cause sudden tire failure, which could lead to a loss of control and an accident involving serious injury or death.

4. Tire ply composition and material

The number of layers or plies of rubber-coated fabric in the tire. Tire manufacturers also must indicate the materials in the tire, which include steel, nylon, polyester, and others. The letter "R" means radial ply construction; the letter "D" means diagonal or bias ply construction; and the letter "B" means belted-bias ply construction.

5. Maximum permissible inflation pressure

This number is the greatest amount of air pressure that should be put in the tire. Do not exceed the maximum permissible inflation pressure. Refer to the Tire and Loading Information label for recommended inflation pressure.

6. Maximum load rating

This number indicates the maximum load in kilograms and pounds that can be carried by the tire. When replacing the tires on the vehicle, always use a tire that has the same load rating as the factory installed tire.

7. Uniform tire quality grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum chapter width.

For example:

TREAD wear 200

TRACTION AA

TEMPERATURE A

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one-and-a-half times ($1\frac{1}{2}$) as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

These grades are molded on the side-walls of passenger vehicle tires. The tires available as standard or optional equipment on your vehicle may vary with respect to grade.

Traction - AA, A, B & C

The traction grades, from highest to lowest, are AA, A, B and C. Those grades represent the tire's ability to stop on wet pavement measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.



WARNING

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature -A, B & C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.



WARNING

Tire temperature

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat build-up and sudden tire failure. This can cause loss of vehicle control and serious injury or death.

Low aspect ratio tire (if equipped)

Low aspect ratio tires, whose aspect ratio is lower than 50, are provided for sporty looks.

Because the low aspect ratio tires are optimized for handling and braking, it may be more uncomfortable to ride in and there is more noise compare with normal tires.

NOTICE

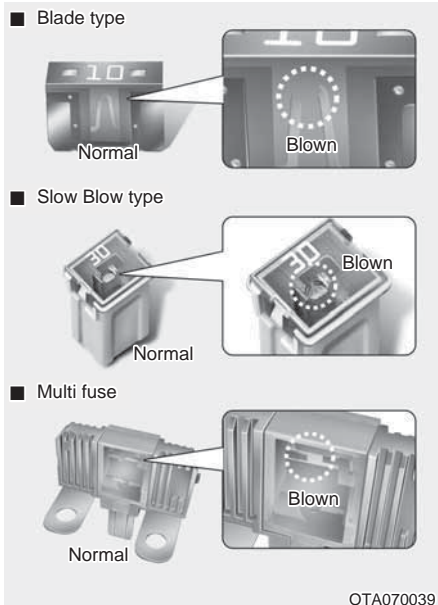
Because the sidewall of the low aspect ratio tire is shorter than the normal, the wheel and tire of the low aspect ratio tire is easier to be damaged. So, follow the instructions below.

- When driving on a rough road or off road, drive cautiously because tires and wheels may be damaged. And after driving, inspect tires and wheels.
- When passing over a pothole, speed bump, manhole, or curb stone, drive slowly so that the tires and wheels are not damaged.
- If the tire is impacted, we recommend that you inspect the tire condition or contact an authorized HYUNDAI dealer.
- To prevent damage to the tire, inspect the tire condition and pressure every 3,000km.

NOTICE

- It is not easy to recognize the tire damage with your own eyes. But if there is the slightest hint of tire damage, even though you cannot see the tire damage with your own eyes, have the tire checked or replaced because the tire damage may cause air leakage from the tire.
- If the tire is damaged by driving on a rough road, off road, pothole, manhole, or curb stone, it will not be covered by the warranty.
- You can find out the tire information on the tire sidewall.

FUSES



A vehicle's electrical system is protected from electrical overload damage by fuses.

This vehicle has 2 fuse panels, one located in the driver's side panel bolster, the other in the engine compartment near the battery.

If any of your vehicle's lights, accessories, or controls do not work, check the appropriate circuit fuse. If a fuse has blown, the element inside the fuse will be melted.

If the electrical system does not work, first check the driver's side fuse panel.

Before replacing a blown fuse, disconnect the negative battery cable.

Always replace a blown fuse with one of the same rating.

If the replacement fuse blows, this indicates an electrical problem. Avoid using the system involved and immediately consult an authorized HYUNDAI dealer.

Three kinds of fuses are used: blade type for lower amperage rating, slow blow type and multi fuse for higher amperage ratings.

WARNING

Fuse replacement

- Never replace a fuse with anything but another fuse of the same rating.
- A higher capacity fuse could cause damage and possibly a fire.
- Never install a wire or aluminum foil instead of the proper fuse - even as a temporary repair. It may cause extensive wiring damage and a possible fire.

NOTICE

Do not use a screwdriver or any other metal object to remove fuses because it may cause a short circuit and damage the system.

Information

The actual fuse/relay panel label may differ from equipped items.

NOTICE

- When replacing a blown fuse or relay with a new one, make sure the new fuse or relay fits tightly into the clips. The incomplete fastening fuse or relay may cause the vehicle wiring and electric systems damage and a possible fire.
- Do not remove fuses, relays and terminals fastened with bolts or nuts. The fuses, relays and terminals may be fastened incompletely, and it may cause a possible fire. If fuses, relays and terminals fastened with bolts or nuts are blown, consult an authorized HYUNDAI dealer.
- Do not input any other objects except fuses or relays into fuse/relay terminals such as a driver or wiring. It may cause contact failure and system malfunction.
- Check the blown fuse with the fuse information on the fuse box cover.
- Replace the blown fuse on the same place after turning off the ignition switch and all electric switches and disconnecting the negative battery cable.

Instrument panel fuse replacement

1. Turn the ignition switch and all other switches off.
2. Open the fuse panel cover.



3. Pull the suspected fuse straight out. Use the fuse puller provided in the engine compartment fuse panel.
4. Check the removed fuse; replace it if it is blown.
5. Push in a new fuse of the same rating, and make sure it fits tightly in the clips.

If it fits loosely, we recommend that you consult an authorized HYUNDAI dealer.

If you do not have a spare, use a fuse of the same rating from a circuit you may not need for operating the vehicle, such as the cigarette lighter fuse.

If the electrical components do not work and the fuses are OK, check the fuse panel in the engine compartment. If a fuse is blown, it must be replaced.

Memory fuse



Your vehicle is equipped with the memory fuse 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 memory fuse.

i Information

- **If the memory fuse is pulled up from the fuse panel, the warning chime, audio, clock and interior lamps, etc., will not operate. Some items must be reset after replacement. Refer to “Battery” in this chapter.**
- **Even though the memory fuse is pulled up, the battery will still be discharged by operation of the headlights or other electrical devices.**

Engine compartment panel fuse replacement



1. Turn the ignition switch and all other switches off.
2. Remove the fuse box cover by pressing the tab and pulling up the cover.
3. Check the removed fuse; replace it if it is blown. To remove or insert the fuse, use the fuse puller in the engine compartment fuse panel.
4. Push in a new fuse of the same rating, and make sure it fits tightly in the clips. If it fits loosely, we recommend that you consult an authorized HYUNDAI dealer.

NOTICE

After checking the fuse panel in the engine compartment, securely install the fuse panel cover. If not, electrical failures may occur from water leaking in.

Main fuse (Multi fuse)

If the main fuse is blown, it must be removed as follows:

1. Disconnect the negative battery cable.
2. Remove the nuts shown in the picture above.
3. Replace the fuse with a new one of the same rating.
4. Reinstall in the reverse order of removal.

CAUTION

If the main fuse is not assembled properly, it may cause fire.

If the main fuse is blown, we recommend that you consult an authorized HYUNDAI dealer.

Fuse/relay panel description

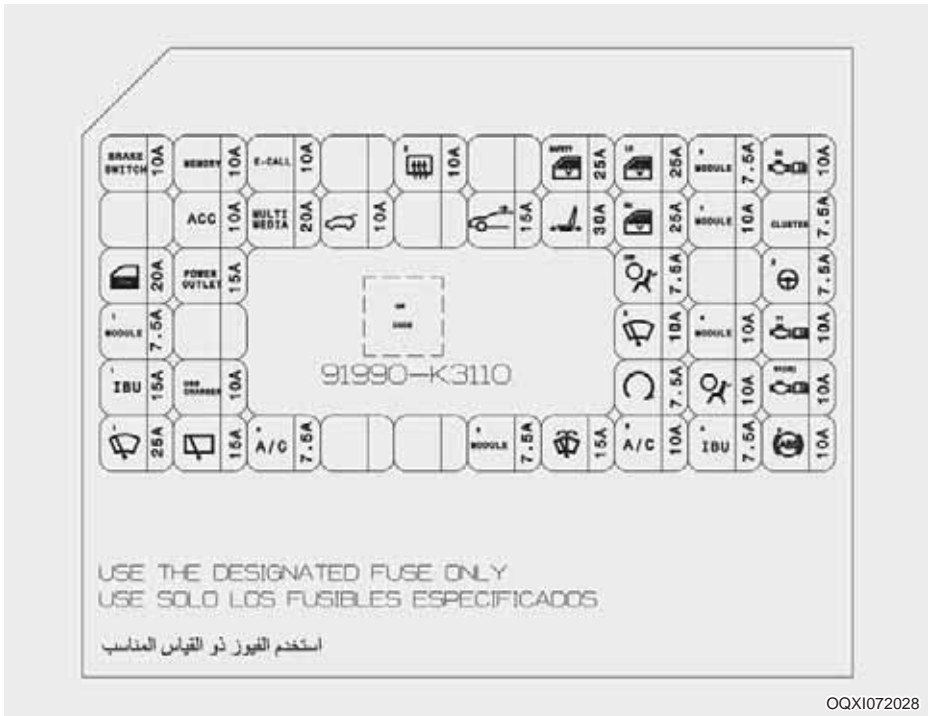
Inner fuse panel



Inside the fuse/relay panel covers, you can find the fuse/relay label describing fuse/relay name and capacity.














i Information

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 panel in your vehicle, refer to the fuse panel label









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Driver's side fuse panel

Fuse Name	Symbol	Rating	Caution Information / Circuit Protected
BRAKE SWITCH		10A	ICU: Stop Lamp Switch, Smart Key Control Module
MEMORY		10A	ICU: AC Control Module (Auto, Manual), Cluster
E-CALL		10A	ICU: E-CALL control unit.
REAR HEATED	² 	10A	ICU: AC Control Module (Auto, Manual).
SAFETY P/WINDOW		25A	ICU: Driver Safety Power Window Module
P/WINDOW LH	^{LH} 	25A	ICU/PCB: Power Window Main Switch LH (Front Rear)
MODULE 3	³ 	7.5A	ICU: Back up SW,ATM Lever
ECU6	^{E6} 	10A	ICU/PCB: K1.0 T-GDI ECU MT/K1.2 ECU MT/ U2 1.5 VGT
ACC		10A	ICU: Audio, Body Control Module, P/OUTLET Relay, Smart Key Module, Outside Mirror Switch
MULTIMEDIA		20A	ICU: Audio
TAILGATE OPEN		10A	ICU: Door Lock unit.
SUNROOF		15A	ICU: Sun roof
POWER SEAT		30A	ICU: Power Seat control unit

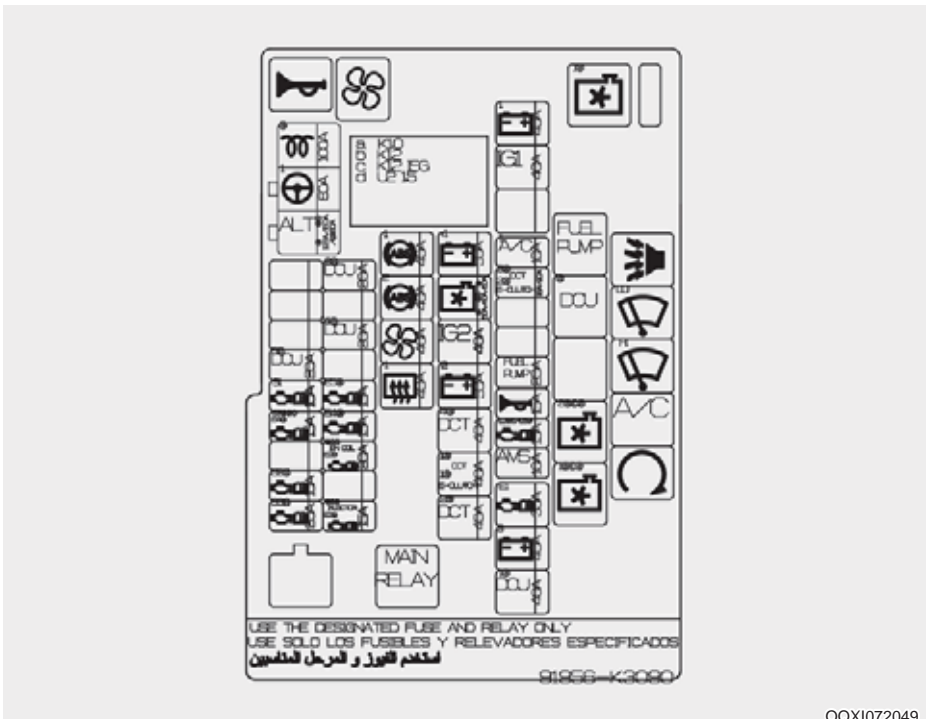
Driver's side fuse panel

Fuse Name	Symbol	Rating	Caution Information / Circuit Protected
P/WINDOW RH	^{RH} 	25A	ICU: Power Window Main Switch RH (Front, Rear)
MODULE 4	⁴ MODULE	10A	ICU: Cluster,IBU,TAIL Lamp
CLUSTER	CLUSTER	7.5A	ICU: Instrument Cluster
DOOR LOCK		20A	ICU:Door Lock unit.
POWER OUTLET	POWER OUTLET	15A/ 20A	ICU: Front Power Outlet (India:15A & Export:20A)
AIRBAG IND	^{IND} 	7.5A	ICU: Instrumental Cluster
MDPS 2	²  ¹	7.5A	ICU: MDPS Unit
MODULE 1	¹ MODULE	7.5A	ICU: O/S MIRROR unit
WIPER FRT 2	² 	10A	ICU: IBU,ECU
MODULE 5	⁵ MODULE	10A	PCB: P/OUTLET,USB CHARGER,AUDIO,Head lamp
TCU	^{T1} 	10A	ICU: M/T : E_CLUTCH, Back Up Lamp Fuse A/T : Inhibitor Switch, ATM LEVER
IBU1	¹ IBU	15A	ICU: BODY CONTROL MODULE (IBU)
USB CHARGER	USB CHARGER	10A	ICU: USB CHARGER









Driver's side fuse panel

Fuse Name	Symbol	Rating	Caution Information / Circuit Protected
START		7.5A	ICU: PCU/ECU, Inhibitor Switch, Clutch Pedal Assy, Start Relay, Start Inhibitor Relay
AIRBAG		10A	ICU: Airbag Control Unit
SENSOR 4	^{54 (U2)} 	10A	ICU (U2): Fuel Water Sensor, GLOW RELAY UNIT
WIPER FRT 1	¹ 	25A	ICU: Front wiper
REAR WIPER		15A	ICU: Rear Wiper Motor, Rear Wiper Relay
A/C 2	² A/C	7.5A	ICU: AIR CONDITIONER
MODULE 2	² MODULE	7.5A	ICU: IBU
WASHER		15A	ICU: Front wiper
A/C 3	³ A/C	10A	ICU: AIR CONDITIONER
IBU2	² IBU	7.5A	ICU: BODY CONTROL MODULE (IBU)
ABS 3	³ (ABS)	10A	ICU: ABS/ ESC Control Module









Engine compartment fuse panel



Engine compartment fuse panel (K1.0T/K1.2/U2 1.5)

Relay NO.	Symbol	Fuse Name	Type
RLY.1	MAIN	Main Relay	MINI
RLY.2	¹ 	C/FAN LO Relay	MICRO
RLY.3	² 	C/FAN HI Relay	
RLY.5	DCU	DCU Relay	
RLY.6	FUEL PUMP	F/PUMP Relay	
RLY.7		START Relay	
RLY.8	A/C	A/CON Relay	
RLY.9	^{HI} 	WIPER HI Relay	
RLY.10	^{LO} 	WIPER LO Relay	
RLY.11		B/A HORN Relay	
RLY.12		HORN Relay	
RLY.13		BLOWER Relay	





Engine compartment fuse panel (K1.0T/K1.2/U2 1.5)

Item	Name	Symbol	Fuse Rating	Circuit Protected
MULTI FUSE	MDPS	¹  ¹	80A	MDPS (Motor Power Steering)
	ALT	ALT	125A/ 150A/ 180A	K 1.2(125A-NON ISG), K 1.0 T-GDI/K 1.2 ISG(150A),U2 1.5(180A): Alternator, Battery, All Fuses connected to Alternator fuse
FUSE	ECU 2	^{E2} 	15A	U2 1.5,K1.0/K1.2:ECU MT
	DCT4	⁴ DCT	40A	K 1.0:DCT
	DCU1	¹ DCU	40A	U2 1.5 VGT:DOSSING VALVE CONTROL UNIT
	ABS 2	² 	40A	ABS / ESC Control Module
	ECU 4	^{E4} 	15A	K1.2/K 1.0(15A): T-GDI ECU (M/T), U2 1.5(15A):VGT,CAM SNSR,ECU
	DCU2	² DCU	20A	U2 1.5 VGT:DOSSING VALVE CONTROL UNIT
	A/CON1	¹ A/C	10A	A/CON RELEAY
	ABS 1	¹ 	40A	ABS / ESC Control Module
	B+4	⁴ 	50A	Instrument Panel Fuse Block FUSE(ICU): FS07,16, 17..
	IG1	IG1	40A	W/o Button start: Ignition SW With Button start: PDM Relay Block
	B+1	¹ 	40A	Instrument Panel BLOCK(ICU): IPS-1,2,3,4,5,6
	GLOW		100A	U2 1.5: Glow Relay, Glow Plug

Engine compartment fuse panel (K 1.0T/K1.2/U2 1.5)

Item	Name	Symbol	Fuse Rating	Circuit Protected
FUSE	RR HTD		40A	RR DEFOGER RELAY (INSTRUMENT PANEL BLOCK (ICU))
	ECU 1		30A	(Engine Control) Main Relay
	HORN		15A	Horn, Burglar Alarm Horn
	FUEL PUMP	FUEL PUMP	20A	K1.0/K1.2/U21.5: Fuel Pump Relay, Fuel Pump Motor
	C/FAN		40A/ 50A/ 60A	K 1.2 (40A), U2 (50A)-Radiator Fan Motor (C/F LOW RELAY & C/F LOW RELAY) K 1.0 (60A)-Radiator Fan Motor (C/F LOW RELAY & C/F LOW RELAY)
	BLOWER		40A	Blower Relay, Blower Motor
	IG2	IG2	40A	W/o Button Start : Start Relay, Start Solenoid, Ignition SW With Button Start : Start Relay, Start Solenoid, PDM Relay Block
	B+3		40A	Instrument Panel Fuse Block Fuse (ICU): FS21, FS01, FS11, FS31, FS26, P/PWDW RELAY, DOOR LOCK/UNLOCK RELAY & T/G UNLOCK RELAY
	B+2		50A	Instrument Panel Block(ICU): IPS-7,8,9,10,11,12
	INJECTOR	INJECTOR	15A	K 1.0/K1.2: MAIN RELAY, U2 1.5: ECU
SENSOR 2		10A	U2 1.5: ECU, PM SENSOR	

Engine compartment fuse panel (K 1.0T/K1.2/U2 1.5)

Item	Name	Symbol	Fuse Rating	Circuit Protected
FUSE	IGN COIL	IGN COIL	20A	K1.0/K1.2: Condenser, Ignition Coil, ECU
	SENSOR 1	^{S1} 	10A	K1.0: TGDI ECU MT/O2 SNSR K1.2: ECU MT U2 1.5: LAMDA_UP_U2 1.5
	ECU 3	^{E3} 	15A	K 1.2: ECU MT U2 1.5: VGT,INLET_M_VALVE
	DCT1	¹ DCT	40A	K 1.0:DCT
	DCT2	² DCT	40A	K 1.0:DCT
	DCT3	³ DCT	20A	K 1.0:DCT
	DCU3	³ DCU	20A	U2 1.5 VGT:DOSSING VALVE CONTROL UNIT
	ECU5	^{E5} 	15A	U2 1.5:ECU K1.0:ECU MT
	DCU4	⁴ DCU	20A	U2 1.5 VGT:DOSSING VALVE CONTROL UNIT
	SENSOR 3	^{S3 (U2)} 	10A	U2 1.5:NOX SENSOR FR& RR
	AMS	AMS	10A	BATT_SNSR_SMART
	E_CLUTCH_1	¹ E-CLUTCH	40A	E_CLUTCH
	E_CLUTCH_2	² E-CLUTCH	15A	E_CLUTCH

LIGHT BULBS

Consult an authorized HYUNDAI dealer to replace most vehicle light bulbs. It is difficult to replace vehicle light bulbs because other parts of the vehicle must be removed before you can get to the bulb. This is especially true for removing the headlight assembly to get to the bulb(s).

Removing/installing the headlight assembly can result in damage to the vehicle.

Information

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, we recommend that the system be checked by an authorized HYUNDAI dealer.

WARNING

Prior to replacing a light, depress the foot brake, move the shift lever into the P (Park, for Dual clutch transmission vehicle) or neutral (for Manual transmission vehicle), apply the parking brake, place the ignition switch in the LOCK/OFF position, and take the key with you when leaving the vehicle to avoid sudden movement of the vehicle and to prevent possible electric shock.

Be aware the bulbs may be hot and may burn your fingers.

Be sure to replace the burned-out bulb with one of the same wattage rating. Otherwise, it may cause damage to the fuse or electric wiring system.

Headlight, Position Light, Turn signal Light, Static Bending Light and Daytime Running Light bulb replacement



- (1) Headlight (Low/High) *1
- (2) Position Light
- (3) Front Turn signal Light

*1 : MFR (Multi Focus Reflector) Headlight



- (1) Headlight (Low/High) *2
- (2) Static Bending Light
- (3) Position Light/
Daytime Running Light (DRL)
- (4) Front Turn Signal Light

*2 : Bi-Function Projection Headlight



WARNING

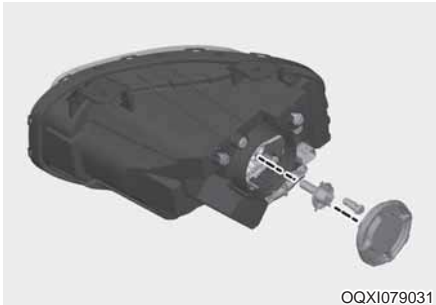
Halogen bulbs

- Halogen bulbs contain pressurized gas that will produce flying pieces of glass if broken.
- Always handle them carefully, and avoid scratches and abrasions. If the bulbs are lit, avoid contact with liquids. Never touch the glass with bare hands. Residual oil may cause the bulb to overheat and burst when lit. A bulb should be operated only when installed in a headlight.
- If a bulb becomes damaged or cracked, replace it immediately and carefully dispose of it.
- Wear eye protection when changing a bulb. Allow the bulb to cool down before handling it.

Information

If the headlight aiming adjustment is necessary after the headlight assembly is reinstalled, consult an authorized **HYUNDAI** dealer.

Headlight (Low/High)



Headlamp (Low/High) - Type A (MFR (Multi Focus Reflector) Headlight)

1. Open the hood.
2. Remove the headlight bulb cover by turning it counterclockwise.
3. Disconnect the headlight bulb socket-connector.
4. Unsnap the headlight bulb retaining wire by depressing the end and pushing it upward.
5. Remove the bulb from the headlight assembly.
6. Install a new headlight bulb and snap the headlight bulb retaining wire into position by aligning the wire with the groove on the bulb.
7. Connect the headlight bulb socket connector.
8. Install the headlight bulb cover by turning it clockwise.

Headlamp (Low/High) –Type B (Bi-Function Projection Headlight)

If the lamp (LED) does not operate, we recommend that the system be checked by an authorized HYUNDAI dealer.

The LED lamps cannot be replaced as a single unit because it is an integrated unit. The LED lamps has to be replaced with the unit.

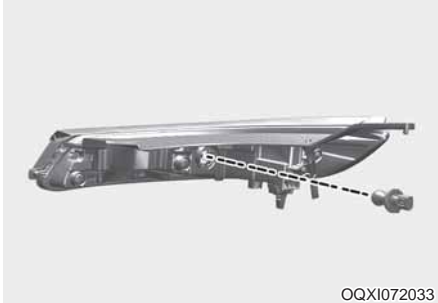
A skilled technician should check or repair the LED lamp, for it may damage related parts of the vehicle.

i Information

- Bi-Function projection headlight

This headlight is bi-function type that switches the low beam to high or the high beam to low using solenoid system. So, the moving sound may be heard when the headlight switches the low beam to high or the high beam to low and it does not indicate malfunction of the headlight.

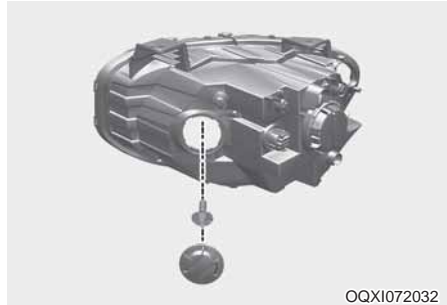
Turn signal light



OQXI072033

1. Open the hood.
2. Remove the socket from the assembly by turning the socket counterclockwise until the tabs on the socket align with the slots on the assembly.
3. Insert a new bulb by inserting it into the socket and rotating it until it locks into place.
4. Install the socket in the assembly by aligning the tabs on the socket with the slots in the assembly. Push the socket into the assembly and turn the socket clockwise.
5. Install the turn signal light bulb cover by turning it clockwise.

Static Bending Light (if equipped)



OQXI072032

1. Open the hood.
2. Remove the Static Bending Light bulb cover by turning it counterclockwise.
3. Disconnect the Static Bending Light bulb socket connector.
4. Unsnap the Static Bending Light bulb retaining wire by depressing the end and pushing it upward.
5. Remove the bulb from the head light assembly.
6. Install a new Static Bending Light bulb and snap the Static Bending Light bulb retaining wire into position by aligning the wire with the groove on the bulb.
7. Connect the Static Bending Light bulb socket connector.
8. Install the Static Bending Light bulb cover by turning it clockwise.

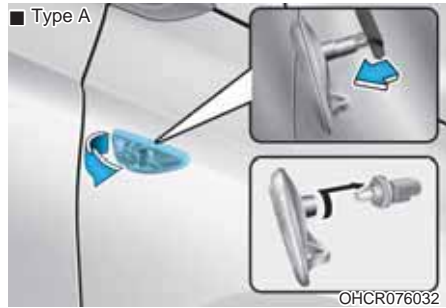
Position Light

1. Remove the socket from the assembly by pulling it straight out.
2. Remove the bulb from the socket by pulling it out.
3. Insert a new bulb by inserting it into the socket.
4. Install the socket in the assembly by pushing it in.

Position light/Daytime running light (if equipped)

Your vehicle is equipped with LED lamps. LED lamps do not have replaceable bulbs. If the LED lamp does not operate, we recommend that the vehicle be checked by an authorized HYUNDAI dealer.

Side repeater lamp replacement (if equipped)



[Type A]

1. Remove the light assembly from the vehicle by prying the lens and pulling the assembly out.
2. Reinstall a new light assembly to the body of the vehicle.

[Type B]

If the LED lamp does not operate, have the vehicle checked by an authorized HYUNDAI dealer.

Rear combination light bulb replacement

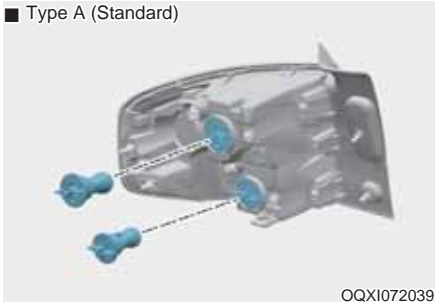


- (1) Tail Light
- (2) Tail and Stop Light
- (3) Rear Turn Signal Light
- (4) Back Up Light



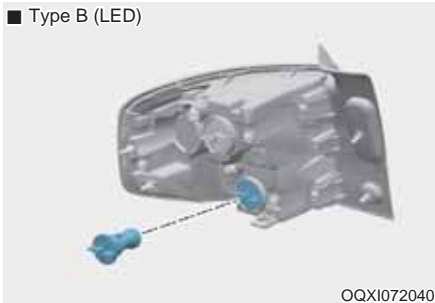
1. Open the tailgate
2. Loosen the light assembly retaining screws with a cross-tip screwdriver.
3. Remove the rear combination light assembly from the body of the vehicle.

■ Type A (Standard)



OQXI072039

■ Type B (LED)



OQXI072040

4. Remove the socket from the assembly by turning the socket counterclockwise until the tabs on the socket align with the slots on the assembly.
5. Remove the bulb from the socket by pressing it in and rotating it counterclockwise until the tabs on the bulb align with the slots in the socket. Pull the bulb out of the socket.
6. Insert a new bulb by inserting it into the socket and rotating it until it locks into place.
7. Install the socket in the assembly by aligning the tabs on the socket with the slots in the assembly. Push the socket into the assembly and turn the socket clockwise.
8. Reinstall the light assembly to the body of the vehicle.

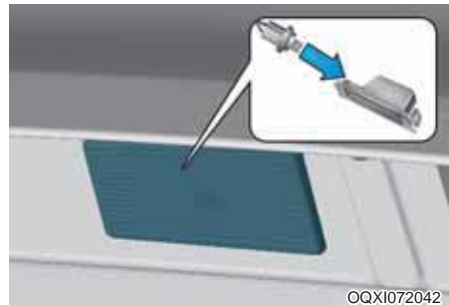
High mounted stop light



OQXI079041

If the light does not operate, we recommend that the vehicle be checked by an authorized HYUNDAI dealer.

License plate light bulb replacement



OQXI072042

1. Using a flat-blade screwdriver, remove the light assembly from the body of the vehicle by prying the housing and pulling the assembly out.
2. Separate the socket and the lens part by turning the socket counterclockwise until the tabs on the socket align with the slots on the lens part.
3. Remove the bulb by pulling it straight out.

4. Insert a new bulb in the socket.
5. Reassemble the socket and the housing part.
6. Reinstall the light assembly to the body of the vehicle.

2. Remove the bulb by pulling it straight out.
3. Install a new bulb in the socket.
4. Align the lens tabs with the interior light housing notches and snap the lens into place.

Interior light bulb replacement



1. Using a flat-blade screwdriver, gently pry the lens from the interior light housing.

NOTICE

Be careful not to dirty or damage lens, lens tab, and plastic housings.



If the LED lamp does not operate, we recommend that the system be inspected by an authorized HYUNDAI dealer.

The LED lamps cannot be replaced as a single unit because it is an integrated unit. The LED lamps has to be replaced with the unit.

A skilled technician should check or repair the LED lamp, for it may damage related parts of the vehicle.

APPEARANCE CARE

Exterior care

Exterior general caution

It is very important to follow the label directions when using any chemical cleaner or polish. Read all warning and caution statements that appear on the label.

High-pressure washing

- When using high-pressure washers, make sure to maintain sufficient distance from the vehicle.

Insufficient clearance or excessive pressure can lead to component damage or water penetration.

- Do not spray the camera, sensors or its surrounding area directly with a high pressure washer. Shock applied from high pressure water may cause the device to not operate normally.
- Do not bring the nozzle tip close to boots (rubber or plastic covers) or connectors as they may be damaged if they come into contact with high pressure water.

Finish maintenance

Washing

To help protect your vehicle's finish from rust and deterioration, wash it thoroughly and frequently at least once a month with lukewarm or cold water.

If you use your vehicle for off-road driving, you should wash it after each off-road trip. Pay special attention to the removal of any accumulation of salt, dirt, mud, and other foreign materials. Make sure the drain holes in the lower edges of the doors and rocker panels are kept clear and clean.

Insects, tar, tree sap, bird droppings, industrial pollution and similar deposits can damage your vehicle's finish if not removed immediately.

Even prompt washing with plain water may not completely remove all these deposits. A mild soap, safe for use on painted surfaces, may be used.

After washing, rinse the vehicle thoroughly with lukewarm or cold water. Do not allow soap to dry on the finish.

NOTICE

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



WARNING

Wet brakes

After washing the vehicle, test the brakes while driving slowly to see if they have been affected by water. If braking performance is impaired, dry the brakes by applying them lightly while maintaining a slow forward speed.



NOTICE

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

NOTICE

Matte paint finish vehicle (if equipped)

Automatic car wash which uses rotating brushes should not be used as this can damage the surface of your vehicle. A steam cleaner which washes the vehicle surface at high temperature may result the oil to adhere and leave stains that is difficult to remove.

Use a soft cloth (for example, microfiber towel or sponge) when washing your vehicle and dry with a microfiber towel. When you hand wash your vehicle, you should not use a cleaner that finishes with wax. If the vehicle surface is too dirty (sand, dirt, dust, contaminant, etc.), clean the surface with water before washing the car.

Waxing

Wax the vehicle when water will no longer bead on the paint.

Always wash and dry the vehicle before waxing. Use a good quality liquid or paste wax, and follow the manufacturer's instructions. Wax all metal trim to protect it and to maintain its luster.

Removing oil, tar, and similar materials with a spot remover will usually strip the wax from the finish. Be sure to re-wax these areas even if the rest of the vehicle does not yet need waxing.

NOTICE

- **Wiping dust or dirt off the body with a dry cloth will scratch the finish.**
- **Do not use steel wool, abrasive cleaners, or strong detergents containing highly alkaline or caustic agents on chrome-plated or anodized aluminum parts. This may result in damage to the protective coating and cause discoloration or paint deterioration.**

Finish damage repair

Deep scratches or stone chips in the painted surface must be repaired promptly. Exposed metal will quickly rust and may develop into a major repair expense.

***i* Information**

If your vehicle is damaged and requires any metal repair or replacement, be sure the body shop applies anti-corrosion materials to the parts repaired or replaced.

Bright-metal maintenance

- To remove road tar and insects, use a tar remover, not a scraper or other sharp object.
- To protect the surfaces of bright-metal parts from corrosion, apply a coating of wax or chrome preservative and rub to a high luster.
- During winter weather or in coastal areas, cover the bright metal parts with a heavier coating of wax or preservative. If necessary, coat the parts with non-corrosive petroleum jelly or other protective compound.

Underbody maintenance

Corrosive materials used for ice and snow removal and dust control may collect on the underbody. If these materials are not removed, accelerated rusting can occur on the underbody parts such as the fuel lines, frame, floor pan and exhaust system, even though they have been treated with rust protection.

Thoroughly flush the vehicle underbody and wheel openings with lukewarm or cold water once a month, after off-road driving and at the end of each winter. Pay special attention to these areas because it is difficult to see all the mud and dirt. It will do more harm than good to wet down the road grime without removing it. The lower edges of the doors, rocker panels, and frame members have drain holes that should not clog with dirt; trapped water in these areas can cause rusting.



WARNING

After washing the vehicle, test the brakes while driving slowly to see if they have been affected by water. If braking performance is impaired, dry the brakes by applying them lightly while maintaining a slow forward speed.

Aluminum wheel maintenance

The aluminum wheels are coated with a clear protective finish.

- Do not use any abrasive cleaner, polishing compound, solvent, or wire brushes on aluminum wheels. They may scratch or damage the finish.
- Clean the wheel when it has cooled.
- Use only a mild soap or neutral detergent, and rinse thoroughly with water. Also, be sure to clean the wheels after driving on salted roads. This helps prevent corrosion.
- Avoid washing the wheels with high-speed car wash brushes.
- Do not use any alkaline or acid detergent. It may damage and corrode the aluminum wheels coated with a clear protective finish.

Corrosion protection

Protecting your vehicle from corrosion

By using the most advanced design and construction practices to combat corrosion, we produce vehicles of the highest quality. However, this is only part of the job. To achieve the long-term corrosion resistance your vehicle can deliver, the owner's cooperation and assistance is also required.

Common causes of corrosion

The most common causes of corrosion on your vehicle are:

- Road salt, dirt and moisture that is allowed to accumulate underneath the vehicle.
- Removal of paint or protective coatings by stones, gravel, abrasion or minor scrapes and dents which leave unprotected metal exposed to corrosion.

High-corrosion areas

If you live in an area where your vehicle is regularly exposed to corrosive materials, corrosion protection is particularly important. Some of the common causes of accelerated corrosion are road salts, dust control chemicals, ocean air and industrial pollution.

Moisture breeds corrosion

Moisture creates the conditions in which corrosion is most likely to occur. For example, corrosion is accelerated by high humidity, particularly when temperatures are just above freezing. In such conditions, the corrosive material is kept in contact with the vehicle's surface by moisture that slowly evaporates.

Mud is particularly corrosive because it dries slowly and holds moisture in contact with the vehicle. Although the mud appears to be dry, it can still retain 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 vehicle 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 vehicle.

To help prevent corrosion

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

Keep your vehicle clean

The best way to prevent corrosion is to keep your vehicle clean and free of corrosive materials. Attention to the underside of the vehicle is particularly important.

- If you live in a high-corrosion area — where road salts are used, near the ocean, areas with industrial pollution, acid rain, etc.—, you should take extra care to prevent corrosion. In winter, hose off the underside of your vehicle at least once a month and be sure to clean the underside thoroughly when winter is over.
- When cleaning underneath the vehicle, give particular attention to the components under the fenders and other areas that are hidden from view. Do a thorough job; just dampening the accumulated mud rather than washing it away will accelerate corrosion rather than prevent it. Water under high pressure and steam are particularly effective in removing accumulated mud and corrosive materials.
- When cleaning lower door panels, rocker panels and frame members, be sure that drain holes are kept open so that moisture can escape and not be trapped inside to accelerate corrosion.

Keep your garage dry

Don't park your vehicle in a damp, poorly ventilated garage. This creates a favorable environment for corrosion. This is particularly true if you wash your vehicle in the garage or drive it into the garage when it is still wet or covered with snow, ice or mud. Even a heated garage can contribute to corrosion unless it is well ventilated so moisture is dispersed.

Keep paint and trim in good condition

Scratches or chips in the finish should be covered with "touch-up" paint as soon as possible to reduce the possibility of corrosion. If bare metal is showing through, the attention of a qualified body and paint shop is recommended.

Bird droppings : Bird droppings are highly corrosive and may damage painted surfaces in just a few hours. Always remove bird droppings as soon as possible.

Don't neglect the interior

Moisture can collect under the floor mats and carpeting and 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 vehicle.

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

Interior care

Interior general precautions

Prevent chemicals such as perfume, cosmetic oil, sun cream, hand cleaner, and air freshener from contacting the interior parts because they may cause damage or discoloration. If they do contact the interior parts, wipe them off immediately. See the instructions that follow for the proper way to clean vehicle interior surfaces.

NOTICE

Never allow water or other liquids to come in contact with electrical/electronic components inside the vehicle as this may damage them.

NOTICE

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

Cleaning the upholstery and interior trim

Vehicle interior surfaces (if equipped)

Remove dust and loose dirt from interior surfaces with a whisk broom or a vacuum cleaner.

If necessary, clean interior surfaces with a mixture of warm water and mild non-detergent cleaner (test all cleaners on a concealed area before use).

Fabric (if equipped)

Remove dust and loose dirt from fabric with a whisk broom or vacuum cleaner. Clean with a mild soap solution recommended for upholstery or carpets. Remove fresh spots immediately with a fabric spot cleaner. If fresh spots do not receive immediate attention, the fabric can be stained and its color can be affected. Also, its fire-resistant properties can be reduced if the material is not properly maintained.

NOTICE

Using anything but recommended cleaners and procedures may affect the fabric's appearance and fire-resistant properties.

Leather (if equipped)

- Feature of Seat Leather
 - Leather is made from the outer skin of an animal, which goes through a special process to be available for use. Since it is a natural object, each part differs in thickness or density.
 - Wrinkles may appear as a natural result of stretching and shrinking depending on the temperature and humidity.
 - The seat is made of stretchable fabric to improve comfort.
 - The parts contacting the body are curved and the side supporting area is high which provides driving comfort and stability.
 - Wrinkles may appear naturally from usage. It is not a fault of the products.



CAUTION

- Wrinkles or abrasions which appear naturally from usage are not covered by warranty.
- Belts with metallic accessories, zippers or keys inside the back pocket may damage the seat fabric.
- Make sure not to wet the seat. It may change the nature of natural leather.
- Jeans or clothes which could bleach may contaminate the surface of the seat covering fabric.

- Caring for the leather seats
 - Vacuum the seat periodically to remove dust and sand on the seat. It will prevent abrasion or damage of the leather and maintain its quality.
 - Wipe the natural leather seat cover often with dry or soft cloth.
 - Use of proper leather protective may prevent abrasion of the cover and helps maintain the color. Be sure to read the instructions and consult a specialist when using leather coating or protective agent.
 - Light colored (beige, cream beige) leather is easily contaminated and the stain is noticeable. Clean the seats frequently.
 - Avoid wiping with wet cloth. It may cause the surface to crack.
- Cleaning the leather seats
 - Remove all contaminations instantly. Refer to instructions below for removal of each contaminant.
 - Cosmetic products (sunscreen, foundation, etc.)
Apply cleansing cream on a cloth and wipe the contaminate spot. Wipe off the cream with a wet cloth and remove water with a dry cloth.
 - Beverages (coffee, soft drink, etc.)
Apply a small amount of neutral detergent and wipe until contaminations do not smear.
 - Oil
Remove oil instantly with absorbable cloth and wipe with stain remover used only for natural leather.
 - Chewing gum
Harden the gum with ice and remove gradually.

Cleaning the lap/shoulder belt webbing

Clean the belt webbing with any mild soap solution recommended for cleaning upholstery or carpet. Follow the instructions provided with the soap. Do not bleach or re-dye the webbing because this may weaken it.

Cleaning the interior window glass

If the interior glass surfaces of the vehicle become fogged (that is, covered with an oily, greasy or waxy film), they should be cleaned with glass cleaner. Follow the directions on the glass cleaner container.

NOTICE

Do not scrape or scratch the inside of the rear window. This may result in damage to the rear window defroster grid.

EMISSION CONTROL SYSTEM

The emission control system of your vehicle is covered by a written limited warranty. Please see the warranty information contained in the Service Passport in your vehicle.

Your vehicle is equipped with an emission control system to meet all emission regulations.

There are three emission control systems which are as follows.

- (1) Crankcase emission control system
- (2) Evaporative emission control system
- (3) Exhaust emission control system

In order to assure the proper function of the emission control systems, it is recommended that you have your car inspected and maintained by an authorized HYUNDAI dealer in accordance with the maintenance schedule in this manual.

1. Crankcase emission control system

The positive crankcase ventilation system is employed to prevent air pollution caused by blow-by gases being emitted from the crankcase. This system supplies fresh filtered air to the crankcase through the air intake hose. Inside the crankcase, the fresh air mixes with blow-by gases, which then pass through the PCV valve into the induction system.

2. Evaporative emission control system

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

Canister

Fuel vapors generated inside the fuel tank are absorbed and stored in the onboard canister. When the engine is running, the fuel vapors absorbed in the canister are drawn into the surge tank through the purge control solenoid valve.

Purge Control Solenoid Valve (PCSV)

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

3. Exhaust emission control system

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

Vehicle modifications

- This vehicle should not be modified. Modification of your vehicle could affect its performance, safety or durability and may even violate governmental safety and emissions regulations.

In addition, damage or performance problems resulting from any modification may not be covered under warranty.

- If you use unauthorized electronic devices, it may cause the vehicle to operate abnormally, wire damage, battery discharge and fire. For your safety, do not use unauthorized electronic devices.

Engine exhaust gas precautions (carbon monoxide)

- Carbon monoxide can be present with other exhaust fumes. Therefore, if you smell exhaust fumes of any kind inside your vehicle, have it inspected and repaired immediately. If you ever suspect exhaust fumes are coming into your vehicle, drive it only with all the windows fully open. Have your vehicle checked and repaired immediately.



WARNING

Exhaust

Engine exhaust gases contain carbon monoxide (CO). Though colorless and odorless, it is dangerous and could be lethal if inhaled. Follow the instructions on this page to avoid CO poisoning.

- Do not operate the engine in confined or closed areas (such as garages) any more than what is necessary to move the vehicle in or out of the area.
- When the vehicle is stopped in an open area for more than a short time with the engine running, adjust the ventilation system (as needed) to draw outside air into the vehicle.
- Never sit in a parked or stopped vehicle for any extended time with the engine running.
- When the engine stalls or fails to start, excessive attempts to restart the engine may cause damage to the emission control system.

Operating precautions for catalytic converters (if equipped)



WARNING

The exhaust system and catalytic system are very hot while the engine is running or immediately after the engine is turned off. To avoid SERIOUS INJURY or DEATH:

- **Do not park, idle, or drive the vehicle over or near flammable objects, such as grass, vegetation, paper, leaves, etc. A hot exhaust system can ignite flammable items under your vehicle.**
- **Keep away from the exhaust system and catalytic converter or you may get burned.**

Also, do not remove the heat sink around the exhaust system, do not seal the bottom of the vehicle, and do not coat the vehicle for corrosion control. It may present a fire risk under certain conditions.

Your vehicle is equipped with a catalytic converter emission control device.

Therefore, the following precautions must be observed:

- Use only UNLEADED FUEL for Petrol engine.
- Do not operate the vehicle when there are signs of engine malfunction, such as misfire or a noticeable loss of performance.
- Do not misuse or abuse the engine. Examples of misuse are coasting with the ignition off and descending steep grades in gear with the ignition off.
- Do not operate the engine at high idle speed for extended periods (5 minutes or more).
- Do not modify or tamper with any part of the engine or emission control system. All inspections and adjustments must be made by an authorized HYUNDAI dealer.
- Avoid driving with a extremely low fuel level. Running out of fuel could cause the engine to misfire, damaging the catalytic converter.

Failure to observe these precautions could result in damage to the catalytic converter and to your vehicle. Additionally, such actions could void your warranties.

Gasoline (Petrol) Particulate Filter (GPF) (if equipped)

The Gasoline (Petrol) Particulate Filter (GPF) system removes the soot in the exhaust gas.

The GPF system automatically burns (or oxidizes) the accumulated soot in accordance with driving situations, unlike a disposable air filter.

In other words, the accumulated soot is automatically purged out by the engine control system and by the high exhaust-gas temperature at normal/high driving speeds.

However, when the vehicle is continually driven at repeated short distances or driven at low speed for a long time, the accumulated soot may not be automatically removed because of low exhaust gas temperature. In this case, the accumulated soot may reach a certain amount regardless of the soot oxidization process, then the GPF lamp will illuminate.

**CAUTION****Gasoline (Petrol) Fuel (if equipped with GPF)**

We recommend you to use only the regulated gasoline (Petrol) fuels, when your vehicle is equipped with the GPF system.

When you use other gasoline (Petrol) fuels which contain unspecified additives, they may damage the GPF system and cause exhaust emission problems.

The Gasoline (Petrol) Particulate Filter (GPF) Lamp stops illuminating, when the driving speed exceeds 80 km/h (50 mph) with engine RPM 1,500 ~ 4,000 and the gear in the 3rd position or above for approximately 30 minutes.

When the GPF lamp starts to blink or the warning message "Check exhaust system" pops up even though the vehicle was driven as mentioned above, we recommend that you have the GPF system checked by an authorized HYUNDAI dealer.

With the GPF lamp blinking for an extended period of time, it may damage the GPF system and lower the fuel economy.


***Diesel particulate filter (DPF)
(if equipped)***

The Diesel Particulate Filter (DPF) system removes the soot in the exhaust gas.

The DPF system automatically burns (or oxidizes) the accumulated soot in accordance with driving situations, unlike a disposable air filter.

In other words, the accumulated soot is automatically purged out by the engine control system and by the high exhaust-gas temperature at normal/high driving speeds.

However, when the vehicle is continually driven at repeated short distances or driven at low speed for a long time, the accumulated soot may not be automatically removed because of low exhaust gas temperature.

In this case, the accumulated soot is out of the detection range, the soot oxidization process does not occur, and the Diesel Particulate Filter (DPF) Lamp () illuminates.

The Diesel Particulate Filter (DPF) Lamp stops illuminating, when the driving speed exceeds 60 km/h (37 mph), or when the engine RPM is between 1,250 and 2,500 with the gear in the 2nd position or above for approximately 25 minutes.

When the DPF Lamp continuously blinks or the warning message "Check exhaust system" illuminates in the above cases, we recommend that you have the DPF system checked by an authorized HYUNDAI dealer.

When the vehicle is continuously driven with the DPF Lamp flashing for an extended period of time, it may damage the DPF system and lower the fuel economy.

 **CAUTION**

Diesel Fuel (if equipped with DPF)
We recommend you to use only the regulated diesel fuels, when your vehicle is equipped with the DPF system.

When you use other diesel fuels, which are high in sulfurs (above 10 ppm) or that contain unspecified additives, they may damage the DPF system and cause white smoke emissions.

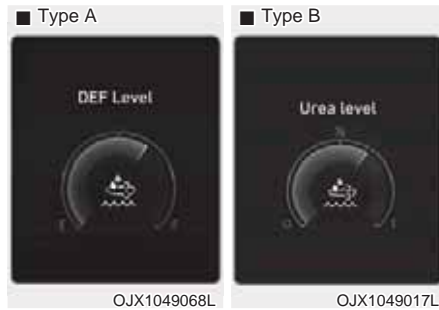
Lean NOx Trap (if equipped)

The Lean NOx Trap (LNT) system removes the nitrogen oxide from the exhaust gas. A smell can occur in the exhaust gas depending on the quality of the fuel, and it can degrade NOx reduction performance. Please use the regulated automotive diesel fuel.

4. Selective Catalytic Reduction (SCR) (for diesel engine) (if equipped)

Selective Catalytic Reduction system catalytically converts NOx to nitrogen and water by using reduction agent, urea solution.

DEF level / Urea level



DEF (Diesel Exhaust Fluid) level gauge display shows the approximate amount of remaining urea solution inside the urea solution tank.

You can check the DEF level in the Utility view on the cluster.

Low urea warning message

Warning message will appear in four steps on the cluster according to urea solution level in the tank.



First warning

The SCR (🔥) warning light and 'Low urea' warning message appears on the instrument cluster when urea level is low. Refill as soon as possible.



Second warning

If urea is not refilled after the first warning, the SCR (🔥) warning light and 'Refill urea' warning message appears on the instrument cluster when urea level is low. Refill as soon as possible.



Third warning

The SCR (🔥) warning light and 'Refill urea in 000 mile or vehicle will not start / Refill urea in 000 mile. Otherwise vehicle will not start' warning message appears on the instrument cluster when urea solution tank is nearly empty. Refill immediately.

The displayed driving distance (000 mile) and actual driving distance may vary depending on driving habits and driving conditions.



Fourth warning

The SCR (🔥) warning light and 'Refill urea tank or vehicle will not start / Refill urea tank. Otherwise vehicle will not start' warning message appears on the instrument cluster when urea solution tank is empty. The vehicle cannot be restarted once the engine is turned off. Refill immediately.

Selective Catalytic Reduction system malfunction

When there is a problem with the Selective Catalytic Reduction system such as disconnected electrical components, use of incorrect urea, etc. the following warning message will appear on the instrument cluster. If this occurs, we recommend that the system be inspected by an authorized HYUNDAI dealer.

If you continue to drive without the problem solved, it may adversely effect system performance or the vehicle cannot be restarted once the engine is turned off.

	Malfunction	Driving 50 mile after malfunction
Urea system failure (= no urea injection)	Diesel Exhaust Fluid (DEF) system failure / Urea dosing system error	Check urea system
Incorrect urea de- tected (= abnormal urea)	Incorrect urea detected	Refill with correct urea in 000 km or vehicle will not start / Refill correct urea in 000 km. Otherwise vehicle will not start
Abnormal urea con- sumption (= post treatment failure)	Check urea system	Service urea system in 000 km or vehicle will not start / Service urea system in 000 km. Otherwise vehicle will not start

Restarting the vehicle

Vehicle restart restriction	
Low urea level	Refill urea tank or vehicle will not start / Refill urea tank. Otherwise vehicle will not start
Urea system failure (= no urea injection)	Service urea system in 000 km or vehicle will not start / Service urea system in 000 km. Otherwise vehicle will not start
Incorrect urea detected (= abnormal urea)	Refill with correct urea in 000 km or vehicle will not start / Refill with correct urea in 000 km. Otherwise vehicle will not start
Abnormal urea consumption (= post treatment failure)	Service urea system in 000 km or vehicle will not start / Service urea system in 000 km. Otherwise vehicle will not start

The vehicle can be restarted after the problem is solved. If the 'Refill urea tank or vehicle will not start / Refill urea tank. Otherwise vehicle will not start' warning message appears, refill the urea solution tank. After refilling the tank, place the ignition switch to the ON position and wait until the message disappears. If the vehicle cannot be restarted after refilling urea, we recommend that you have the system inspected by an authorized HYUNDAI dealer.

Adding urea solution



Refilling urea with a refill hose

1. Turn the vehicle off.
2. To open the urea solution tank cap, turn it counterclockwise.
3. Fully insert the refill hose and add urea.

Do not overfill.

4. To close the urea solution tank cap, turn it clockwise.

Refilling urea from a refill bottle

1. Turn the vehicle off.
2. To open the urea solution tank cap, turn it counterclockwise.
3. Add urea. Do not overfill.
4. To close the urea solution tank cap, turn it clockwise.

Use only specified urea solution (Refer to “Recommended Lubricants and Capacities” section in chapter 9).

NOTICE

To prevent damage to your vehicle:

- Use only specified urea solution. Never add any other urea solution than what has been specified.
- Be careful not to add urea solution into the fuel tank.
- While adding urea, be careful not to allow foreign substances to enter into the urea solution tank.
- Do not mix water or additives with the urea solution.
- Do not over fill the urea solution tank. In cold weather, the tank will expand if the urea freezes.

Storing urea solution

- Store urea solution only in containers made with the following materials.
 - DIN EN 10 088-1/-2/-3-specified CR-Ni steel
 - Mo-Cr-Ni steel
 - Polypropylene
 - Polyethylene
- Do not store urea solution in containers made with the following materials.
 - Aluminum, copper, copper alloy, non-alloyed still, and galvanized steel

Urea solution dissolves the metal materials, severely damaging the exhaust purification system.

***i* Information**

Urea solution is a water-soluble substance, which is inflammable, non-toxic, colorless and odorless.

NOTICE

- **The following situations may damage the DPF system.**
 - **Fuels or any unauthorized liquids are added to the urea solution tank**
 - **Additives are mixed in the urea solution**
 - **Water is mixed in the urea solution**
- **Use only specified urea solution.**

When any unauthorized urea solution is added to the tank, we recommend that you contact an authorized HYUNDAI dealer.
- **When any foreign substances enter the urea solution tank, the following problems may occur.**
 - **Increased emission**
 - **DPF system malfunction**
 - **Engine failure**
- **Never add used urea solution as its quality cannot be guaranteed. Always add new urea solution.**

**WARNING**

- Do not apply any external impact on the DPF system. It may damage the catalyst, which is equipped inside the DPF system.
 - Do not modify the DPF system by redirecting or lengthening the exhaust pipe. It may adversely effect the DPF system.
 - Avoid contact with the drained water from the exhaust pipe. The water is slightly acid and harmful to skin. If contacted, thoroughly wash it off.
 - Any modification of the DPF system may cause system malfunction. The DPF system is controlled by a complex device.
 - Wait for the DPF system to cool down before maintenance, as it is hot due to heat generation. Otherwise, it may cause skin burn.
 - The Selective Catalytic Reduction system (for example, urea solution nozzle, urea solution pump, and DCU) operates for approximately 2 minutes more to eliminate the remaining urea solution inside, even after the engine is turned OFF. Before working on the vehicle, make sure that the Selective Catalytic Reduction system is completely turned OFF.
- Poor urea solution or unauthorized liquids may damage vehicle components, including the DPF system. Any unverified additives in the urea solution may clog the SCR catalyst and cause other malfunctions, which require the expensive DPF system to be replaced.

**WARNING**

- When the urea solution contacts with the eyes or the skin, you should thoroughly wash the contaminated skin area.
- When you swallow the urea solution, thoroughly rinse your mouth and drink a lot of fresh water. Then, immediately consult a doctor.
- When your cloth is contaminated with the urea solution, immediately change your cloth.
- When you have an allergic reaction to the urea solution, immediately consult a doctor.
- Keep children away from urea solution.

- When opening the urea solution tank cap at high outside temperatures, ammonia vapors may escape. Ammonia vapors have a pungent smell and primarily cause irritation of the:
 - Skin
 - Mucous membranes
 - Eyes

You may experience a burning sensation in your eyes, nose and throat, as well as coughing and watering of the eyes. Do not inhale ammonia vapors. Do not allow urea solution to come in direct contact with your skin. It is hazardous to your health. Wash any affected areas off with plenty of clean water. If necessary, consult a doctor.

- When handling urea solution in closed space, ensure good ventilation. When the bottle of urea solution container is opened, pungent smelling fumes may escape.

NOTICE

- Wipe off any urea solution spillage with water or dampened cloth. When the urea solution is crystalized, wipe it off with sponge or cloth, which is dampened in cold water.

When the urea solution spillage is exposed in the air for an extended period of time, it is crystalized in white, damaging the vehicle surface.

- When urea solution overflows onto vehicle surface, wash out vehicle surface with clean water to prohibit corrosion from occurring.
- Store the urea solution tank only in well ventilated locations. When urea solution is exposed to hot temperature at approximately 50°C (122°F) for an extended period of time (for example, under direct sunlight), chemical decomposition may occur, emitting ammonia vapor.
- In case the vehicle was parked at very low ambient temperature (below 11°C (33°F) for a long time, the urea solution will be frozen in the urea solution tank. With frozen urea, the tank level may not be detected correctly until the urea solution melts. Incorrect urea or diluted urea may increase the freezing point, so only use specified urea solution. The time for the urea solution to melt varies in accordance with driving conditions and outside temperatures.

10. Specifications & Consumer Information

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DIMENSIONS

Item		mm (in)
Overall length		3,995 (157.3)
Overall width		1,770 (69.7)
Overall height	With roof rack	1,590 (62.6)
	Without roof rack	1,617 (63.6)
Front tread	195/65R15 (6.0J)	1,554 (61.2)
	215/60R16 (6.5J)	1,544 (60.8)
Rear tread	195/65R15 (6.0J)	1,568 (61.7)
	215/60R16 (6.5J)	1,558 (61.3)
Wheelbase		2,500 (98.4)

ENGINE

Item	Petrol Engine		Diesel Engine
	1.0 T-GDI	1.2 MPI	1.5 VGT
Displacement cc	998	1,197	1,493
Bore x Stroke mm	71 x 84	71 x 75.6	75 X 84.5
Firing order	1-2-3	1-3-4-2	1-3-4-2
No. of cylinders	3	4	4

BULB WATTAGE

Light Bulb		Bulb type	Wattage	
Front	Headlight (High/Low)	Type A	H19L	60/55
		Type B	LED	LED
	Position Light	Type A	W5W	5
		Type B	LED	LED
	Low Beam Assist-Static Light	Type B	H7	55
	Turn signal Light		PY21W	21
	Daytime Running Light (DRL) *		LED	LED
Side Repeater Light (Outside Mirror)		WY5W or LED	5 or LED	
Rear	Tail Light		LED	LED
	Tail and Stop Light	Type A	P21/5W	21/5
		Type B	LED	LED
	Turn Signal Light		PY21W	21
	Back Up Light		BULB (P21W)	21
	High Mounted Stop Lamp *		W5W	5W X 5
License Plate Lamps		W5W	5W X 2	
Interior	Map Lamps		W10W	10W X 2
	Room Lamp		FESTOON	8
	Luggage Room Lamp *		FESTOON	5
	Mood lamp		LED	LED

* : If equipped

TIRES AND WHEELS

Item	Tire size	Wheel size	Inflation pressure (psi)				Wheel lug nut torque kgf•m (lbf•ft, N•m)
			Normal load *1		Maximum load		
			Front	Rear	Front	Rear	
Full size tire	195/65R15	6.0JX15	230 (33)	230 (33)	250 (36)	260 (38)	11~13 (79~94, 107~127)
	215/60/R16	6.5JX16	230 (33)	230 (33)	250 (36)	260 (38)	
Spare Tire	195/65R15	6.0JX15	260 (38)				

*1 : Normal load : Up to 2 persons

NOTICE

Keep the transmitter away from water or any liquid.

- It is permissible to add 20 kPa (3 psi) to the standard tire pressure specification if colder temperatures are expected soon. Tires typically lose 7 kPa (1 psi) for every 7°C (12°F) temperature drop. If extreme temperature variations are expected, recheck your tire pressure as necessary to keep them properly inflated.
- An air pressure generally decreases, as you drive up to a high-altitude area above sea level. Thus, if you plan to drive a high-altitude area, check the tire pressures in advance. If necessary, inflate them to a proper level (Air inflation per altitude: +10 kPa/1 km (+2.4 psi/1 mile).
- Must do not exceed maximum inflation pressure shown on equipped tire sidewall.
- Spare wheel are intended for emergency purpose.
- Only Steel wheel is provided as spare wheel. Spare tires can be from any manufacturer.



CAUTION

When replacing tires, use the same size originally supplied with the vehicle.

Using tires of a different size can damage the related parts or make it work irregularly.

VOLUME AND WEIGHT

Item	KAPPA 1.2 MPI	KAPPA 1.0 T		U2 1.5 VGT
	M/T	IMT	DCT	M/T
Gross vehicle weight kg (lbs.)	1,500 (3,306)	1,570 (3,461)	1,610 (3,549)	1,670 (3,681)
Luggage volume (VDA)ℓ (cu ft)	343 (12.1)	343 (12.1)	343 (12.1)	343 (12.1)

M/T : Manual transmission

IMT : Intelligent manual transmission

DCT : Dual clutch transmission

RECOMMENDED LUBRICANTS AND CAPACITIES

To help achieve proper engine and powertrain performance and durability, use only lubricants of the proper quality. The correct lubricants also help promote engine efficiency that results in improved fuel economy.

These lubricants and fluids are recommended for use in your vehicle.

Lubricant		Volume	Classification	
Engine oil *1 (drain and refill)	Petrol engine	1.2 MPI	3.6 l (3.8 US qt.)	
		1.0 T-GDI	3.6 l (3.8 US qt.)	
	Diesel engine	1.5 VGT	4.8 l (5.0 US qt.)	
Manual transmission fluid	Petrol engine	1.2 MPI	1.3 ~ 1.4 l (1.4 ~ 1.5 US qt.)	
		1.0 T-GDI	1.5 ~ 1.6 l (1.6 ~ 1.7 US qt.)	
	Diesel engine	1.5 ~ 1.6 l (1.6 ~ 1.7 US qt.)		
Dual clutch transmission fluid	Petrol engine	1.6 ~ 1.7 l (1.7 ~ 1.8 US qt.)	API GL4, SAE 70W (HYUNDAI genuine transmission fluid)	
Intelligent Manual Transmission system actuator fluid	Petrol engine	1.0 T-GDI	0.082 l (0.087 US qt.)	SAE J1704 DOT-4 LV
Coolant	Petrol engine	1.2 MPI	4.9 l (5.1 US qt.)	
		1.0 T-GDI	5.3 l (5.6 US qt.)	
	Diesel engine	1.5 VGT	6.3 l (6.6 US qt.)	
Brake/Clutch fluid		0.7~0.8 l (0.7~0.8 US qt.)	SAE J1704 DOT-4 LV	
Fuel *6		45 l (47.5 US gal.)	-	

*1 : Refer to the recommended SAE viscosity numbers on the next page.

*2 : Requires <API Latest(ILSAC Latest) or ACEA C5, Full synthetic> grade engine oil. If a lower grade engine oil (mineral oil including Semi-synthetic) is used, then the engine oil and engine oil filter must be replaced as indicated severe maintenance condition.

*3 : Requires <ACEA C2, Full synthetic> grade engine oil. If a lower grade engine oil (mineral oil including Semi-synthetic) is used, then the engine oil and engine oil filter must be replaced as indicated severe maintenance condition.

*4 : Diesel Particulate Filter

*5 : We recommend that you use the engine oils approved by HYUNDAI Motor India Ltd. We recommend that you consult an authorized HYUNDAI dealer for details.

*6 : The fuel filling capacity mentioned is less than the actual fuel tank capacity. The extra capacity in the tank is provided to cater the vapour creation of fuel, to prevent leakage of volatile organic compounds and fuel into the atmosphere. Further, it is recommended that do not fill the tank after auto cut-off at the fuel station during filling fuel.

Recommended SAE viscosity number

CAUTION

Always be sure to clean the area around any filler plug, drain plug, or dipstick before checking or draining any lubricant. This is especially important in dusty or sandy areas and when the vehicle is used on unpaved roads. Cleaning the plug and dipstick areas will prevent dirt and grit from entering the engine and other mechanisms that could be damaged.

Engine oil viscosity (thickness) has an effect on fuel economy and cold weather operating (engine start and engine oil flowability). Lower viscosity engine oils can provide better fuel economy and cold weather performance, however, higher viscosity engine oils are required for satisfactory lubrication in hot weather.

Using oils of any viscosity other than those recommended could result in engine damage.

When choosing an oil, consider the range of temperature your vehicle will be operated in before the next oil change. Proceed to select the recommended oil viscosity from the chart.

		Temperature Range for SAE Viscosity Numbers									
Temperature		°C	-30	-20	-10	0	10	20	30	40	50
		(°F)	-10	0	20	40	60	80	100	120	
Petrol Engine Oil *1	1.2 MPI	0W-20									
	1.0 T-GDI	0W-30									

		Temperature Range for SAE Viscosity Numbers								
Temperature		°C	-30	-20	-10	0	10	20	30	40
		(°F)	-10	0	20	40	60	80	100	
Diesel Engine Oil	1.5 VGT	10W-30/40								
		5W-30/40								
		0W-20, 0W-30								

*1 : An engine oil displaying this American Petroleum Institute (API) Certification Mark conforms to the International Lubricant Specification Advisory Committee (ILSAC). It is recommended to only use engine oils that uphold this API Certification Mark.



VEHICLE IDENTIFICATION NUMBER (VIN)



The vehicle identification number (VIN) is the number used in registering your car and in all legal matters pertaining to its ownership, etc.

The number is punched on the floor under the front right seat. To check the number, pull out the slit part of carpet.

VEHICLE CERTIFICATION LABEL (IF EQUIPPED)



The vehicle certification label attached on the driver's (or front passenger's) side center pillar gives the vehicle identification number (VIN).

TIRE SPECIFICATION AND PRESSURE LABEL

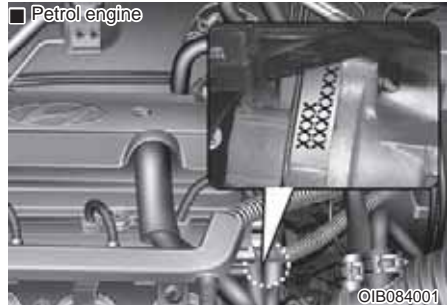


©IB074055

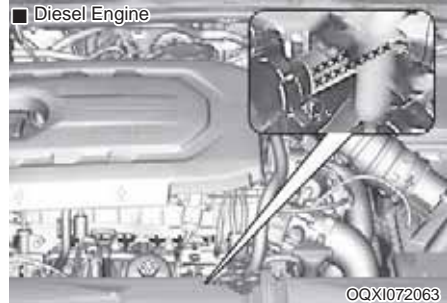
The tires supplied on your new vehicle are chosen to provide the best performance for normal driving.

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

ENGINE NUMBER



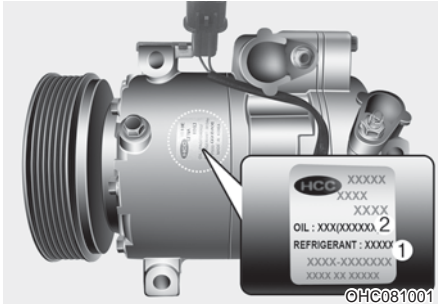
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The engine number is stamped on the engine block as shown in the drawing.

AIR CONDITIONER COMPRESSOR LABEL



A compressor label informs you the type of compressor your vehicle is equipped with such as model, supplier part number, production number, refrigerant (1) and refrigerant oil (2).