Specifications & Consumer information

Engine 8-2
Dimensions 8-2
Bulb wattage 8-3
Weight/volume 8-4
Tires and wheels (Except brazil). 8-5
Load and speed capacity tires. 8-6
Recommended lubricants and capacities. 8-7
• Recommended SAE viscosity number 8-9
Vehicle identification number (VIN) 8-10
Vehicle certification label. 8-10
TIRE specification and pressure label 8-11
Engine number 8-11
Air conditioner compressor label 8-12
Refrigerant label. 8-12
Declaration of conformity 8-12

ENGINE

Item		Gasoline 1.6	Gasoline 2.0
Displacement	cc (cu. in)	1,591 (97.09)	1,999 (121.99)
Bore x Stroke	mm (in.)	77x85.4 (3.03x3.36)	81x97 (3.19x3.82)
Firing order		1-3-4-2	1-3-4-2
No. of cylinders		4, In-line	4, In-line

DIMENSIONS

Item		mm (in)
Overall length	4 Door	4,560 (179.5)
	5 Door	4,350 (171.3)
	2 Door	4,530 (178.3)
Overall width		1,780 (70.1)
Overall height	4 Door	1,445 (56.9)
	5 Door	1,460 (57.5)
	2 Door	1,420 (55.9)
Front tread	195/65 R15 (Steel)	1,563 (61.5)
	205/55 R16 (Steel)	1,553 (61.1)
	205/55 R16 (Alloy)	1,555 (61.2)
	215/45 R17 (Alloy)	1,557 (61.3)
	225/40 R18 (Alloy)	1,545 (60.8)
Rear tread	195/65 R15(Steel)	1,576 (62.0)
	205/55 R16 (Steel)	1,566 (61.6)
	205/55 R16 (Alloy)	1,568 (61.7)
	215/45 R17 (Alloy)	1,570 (61.8)
	225/40 R18 (Alloy)	1,558 (61.3)
Wheelbase		2,700 (106.3)

BULB WATTAGE

Light Bulb				Wattage	Bulb type
Front	Headlamps(Low)			55	H7
	Headlamps(Low)- HID *			25	D8S
	Headlamps(High)			55	H1
	Front turn signal lamps			21	PY21WL
	Front position lamps *			5	W5W
	Front position lamps (LED type)*			LED	LED
	Front fog lamps *			35	H8
	Side Repeater lamps			5	WY5W
	Side Repeater lamps (Outside Mirror) *			LED	LED
	Daytime running lamps *			LED	LED
Rear	Rear Stop/Tail lamps (outside)	Bulb type		21/5	P21/5W
	Rear tail lamps (Inside)			5	P21/5W
	Rear Stop/Tail lamps (outside)	LED type		LED	LED
	Rear Stop/tail lamps (Inside)			LED	LED
	Rear fog lamps*	Bulb type		21	P21W
		LED type		LED	LED
	Rear turn signal lamps			21	PY21W
	Back-up lamps			16	W16W
	High mounted stop lamp *	4 Door*	Bulb type	21	P21W
			LED type	LED	LED
		5 Door, 2 Door	LED type	LED	LED
	License plate lamps			5	W5W

(Continued)

* : If equipped

(Continued)

Light Bulb			Wattage	Bulb type
Interior	Map lamps *		8	FESTOON
	Room lamps		8	FESTOON
	Vanity mirror lamps *		5	FESTOON
	Luggage lamp *	4 Door	5	FESTOON
		5 Door	8	FESTOON

* : If equipped

WEIGHT/VOLUME

Item		1.6 Engine			2.0 Engine		
		4 Door	5 Door	2 Door	4 Door	5 Door	2 Door
Gross vehicle weight kg (lbs.)	A/T	1,740 (3,836)	1,750 (3,858)	1,800 (3,968)	1,760 (3,880)	1,770 (3,902)	1,760 (3,880)
	M/T	1,720 (3,791)	1,750 (3,858)	1,780 (3,924)	1,740 (3,836)	1,770 (3,902)	1,740 (3,836)
Luggage volume (SAE) *l* (cu ft)		421 (14.9)	657 (23.2)	378 (13.3)	421 (14.9)	657 (23.2)	378 (13.3)

M/T : Manual transaxle
A/T : Automatic transaxle

TIRES AND WHEELS

Item	Tire size	Wheel size	Inflation pressure bar (psi, kPa)				Wheel lug nut torque kg•m (lb•ft, N•m)
			Normal load (+)		Maximum load (+)		
			Front	Rear	Front	Rear	
Full size tire	195/65R15	6.0J×15	2.2 (32,220)	2.2 (32,220)	2.2 (32,220)	2.2 (32,220)	9~11 (65~79, 88~107)
	205/55R16	6.5J×16					
	215/45R17	7.0J×17					
	225/40R18	7.5J×18	2.3 (33,230)	2.3 (33,230)	2.3 (33,230)	2.3 (33,230)	
Compact spare tire	T125/80D15	4.0T×15	4.2 (60,420)	4.2 (60,420)	4.2 (60,420)	4.2 (60,420)	
	T125/80D16 *1	4.0T×16					

*1 : Only for 225/40R18 Tire size

⚠ 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.

✻ NOTICE

We recommend that when replacing tires, use the same originally supplied with the vehicles.
If not, that affects driving performance.

LOAD AND SPEED CAPACITY TIRES

Item	Tire size	Wheel size	Load Capacity		Speed capacity	
			LI*1	Kg	SS*2	Km/h
Full size tire	195/65R15	6.0J×15	91	615	H	210
	205/55R16	6.5J×16	91	615	H	210
	215/45R17	7.0J×17	87	545	H	210
	225/40R18	7.5J×18	88	560	V	240
Compact spare tire	T125/80D15	4.0T×15	95	690	M	130
	T125/80D16	4.0T×16	97	730	M	130

*1 : Load Index

*2 : Speed Symbol

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 *2 (drain and refill) 	Gasoline 2.0 MPI Engine		4.0 *l* (4.23 US qt.)	API Service SM*3 (or above) and ILSAC GF-4 (or above), or ACEA A5 (or above)
	Gasoline 1.6 MPI Engine		3.6 *l* (3.8 US qt.)	
	Gasoline 1.6 T-GDI Engine		4.5 *l* (4.75 US qt.)	ACEA C2, C3, A5 (or above)
Engine oil consumption	Normal driving condition			MAX. 1 *l* /1500 km
	Severe driving condition			MAX. 1 *l* /1000 km
Manual transaxle fluid	2.0 MPI Engine		1.9 ~2.0 *l* (2.0 ~ 2.1 US qt.)	API GL-4 SAE 75W-85 or SAE 70W
	1.6 MPI Engine		1.8 ~1.9 *l* (1.9 ~ 2.0 US qt.)	
	1.6 T-GDI Engine		1.9 ~2.0 *l* (2.0 ~ 2.1 US qt.)	
Automatic transaxle fluid	1.6 MPI Engine		7.3 *l* (7.7 US qt.)	MICHANG ATF SP-IV, SK ATF SP-IV, NOCA ATF SP-IV, Kia genuine ATF SP-IV
	2.0 MPI Engine		7.1 *l* (7.5 US qt.)	
	1.6 T-GDI Engine		7.1 *l* (7.5 US qt.)	
Coolant	2.0 MPI Engine	Manual transaxle	6.0 *l* (6.34 US qt.)	Ethylene glycol base coolant for aluminum radiator
		Automatic transaxle	5.9 *l* (6.23 US qt.)	
	1.6 MPI Engine	Manual transaxle	5.9 *l* (6.87 US qt.)	
		Automatic transaxle	5.8 *l* (6.76 US qt.)	
	1.6 T-GDI Engine	Manual transaxle	6.1 *l* (6.45 US qt.)	
		Automatic transaxle	5.7 *l* (6.02 US qt.)	

Lubricant	Volume	Classification
Brake/Clutch (if equipped) fluid	0.7~0.8 *l* (0.7~0.8 US qt.)	FMVSS116 DOT-3 or DOT-4
Fuel	50 *l* (13.2 US gal.)	-

*1 : Refer to the recommended SAE viscosity numbers on the next page.
*2 : Engine oils labeled Energy Conserving Oil are now available. Along with other additional benefits, they contribute to fuel economy by reducing the amount of fuel necessary to overcome engine friction. Often, these improvements are difficult to measure in everyday driving, but in a year's time, they can offer significant cost and energy savings.
*3 : If the API service SM engine oil is not available in your country, you are able to use API service SL.

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.

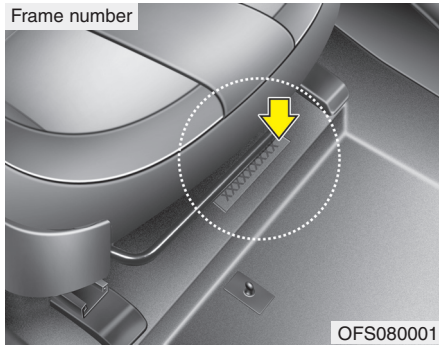
Temperature Range for SAE Viscosity Numbers

Temperature	°C	-30	-20	-10	0	10	20	30	40	50
	(°F)	-10	0	20	40	60	80	100	120	
For Europe (Except T-GDI Engine)		0W-40, 5W-20*1, 5W-30, 5W-40								
For Middle East *2 & T-GDI Engine		20W-50								
		15W-40								
		10W-30								
		5W-40								
Except Europe & Middle East *2 (Except T-GDI Engine)		20W-50								
		15W-40								
		10W-30								
		5W-20*1, 5W-30								

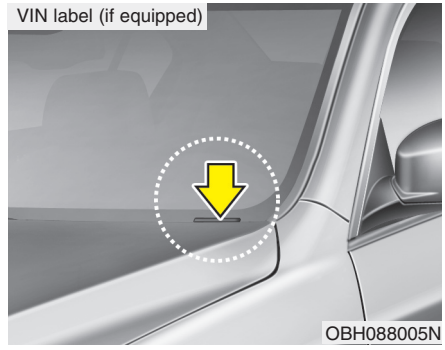
*1 : For better fuel economy, it is recommended to use the engine oil of a viscosity grade SAE 5W-20 (Except Middle East & T-GDI Engine) or 5W-30 (For Middle East). However, if the engine oil is not available in your country, select the proper engine oil using the engine oil viscosity chart.

*2 : Middle East includes Libya, Algeria, Morocco, Tunisia, Sudan, Egypt and Iran.

VEHICLE IDENTIFICATION NUMBER (VIN)

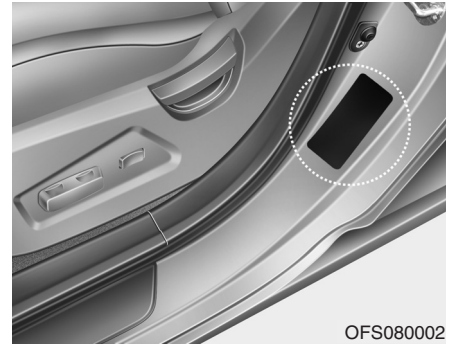


The vehicle identification number (VIN) is the number used in registering your vehicle and in all legal matters pertaining to its ownership, etc.



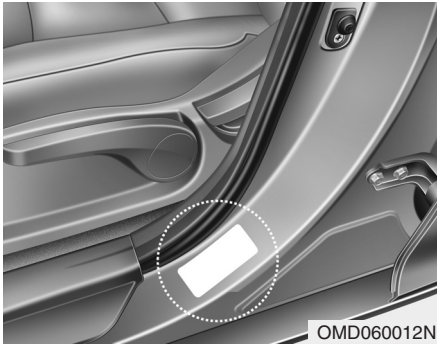
The VIN is also on a plate attached to the top of the dashboard. The number on the plate can easily be seen through the windshield from outside.

VEHICLE CERTIFICATION LABEL



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

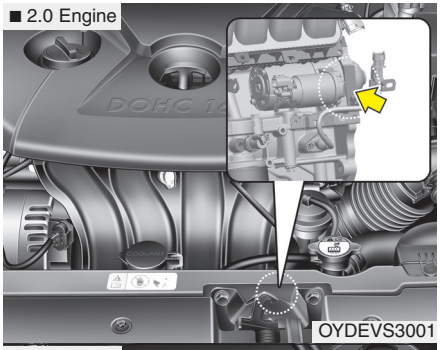

OMD060012N

The tires supplied on your new vehicle are chosen to provide the best performance for normal driving.

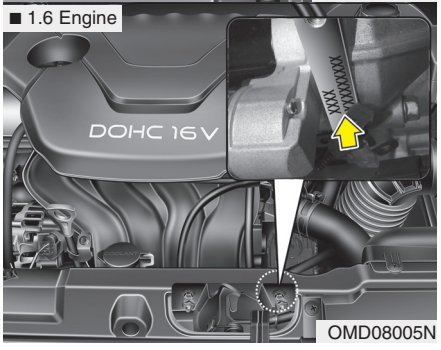
The tire label located on the driver's side center pillar gives the tire pressures recommended for your vehicle.

ENGINE NUMBER

■ 2.0 Engine


OYDEVS3001

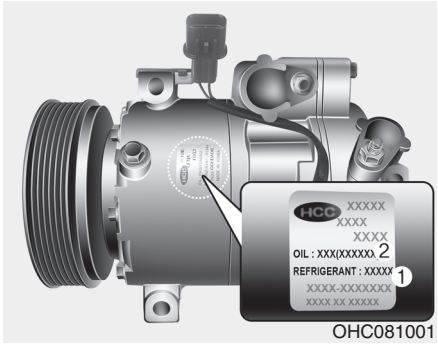
■ 1.6 Engine



OMD08005N

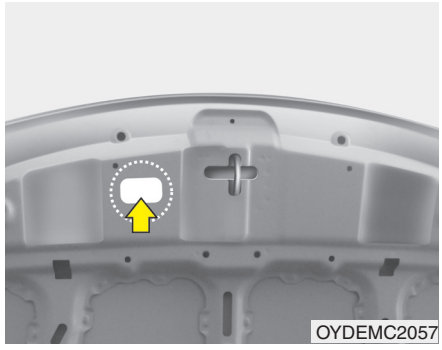
The engine number is stamped on the engine block as shown in the drawing.

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).

REFRIGERANT LABEL



The refrigerant label is located at the front of the engine room.

DECLARATION OF CONFORMITY

■ Example

CE 0678

CE0678

The radio frequency components of the vehicle comply with requirements and other relevant provisions of Directive 1995/5/EC.

Further information including the manufacturer's declaration of conformity is available on Kia web site as follows;

http://www.kia-hotline.com