

# 2. Vehicle Information and Reporting Safety Defects

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## EXTERIOR OVERVIEW (I) - HYBRID VEHICLE

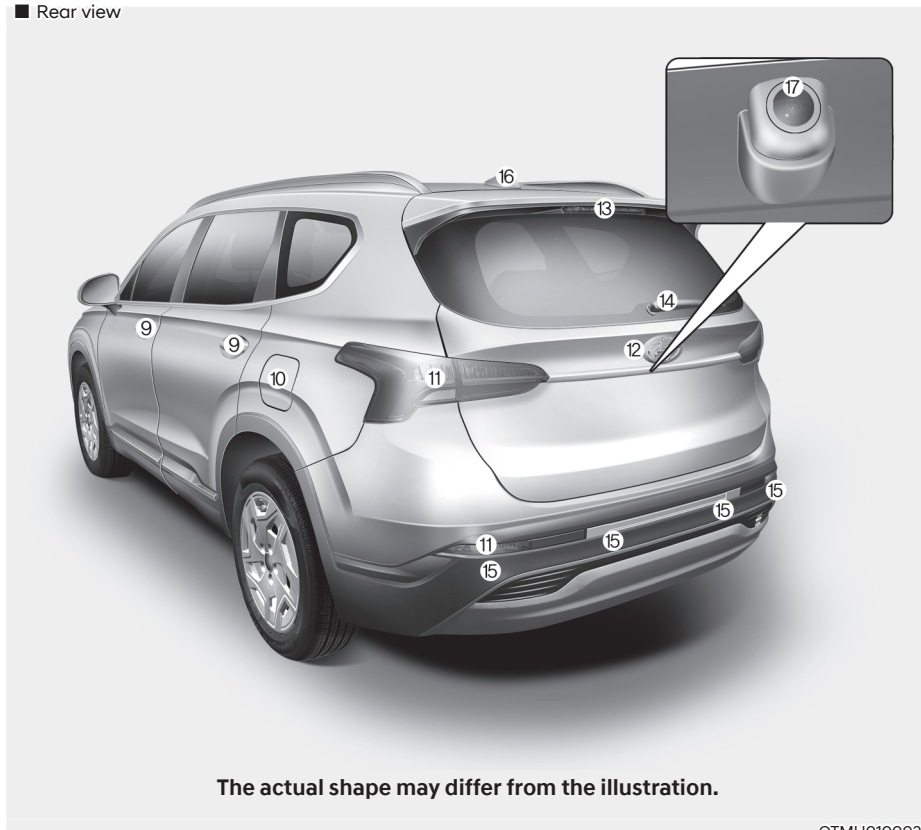
■ Front view



- |                              |   |
|------------------------------|---|
| 1. Hood.....5-51             | 5. Panoramic sunroof ..... 5-46             |
| 2. Headlight.....9-58        | 6. Front windshield wiper blades ..... 9-24 |
| 3. Tires and wheels.....9-30 | 7. Windows ..... 5-42                       |
| 4. Side view mirror.....5-38 | 8. Front ultrasonic sensors..... 7-124      |

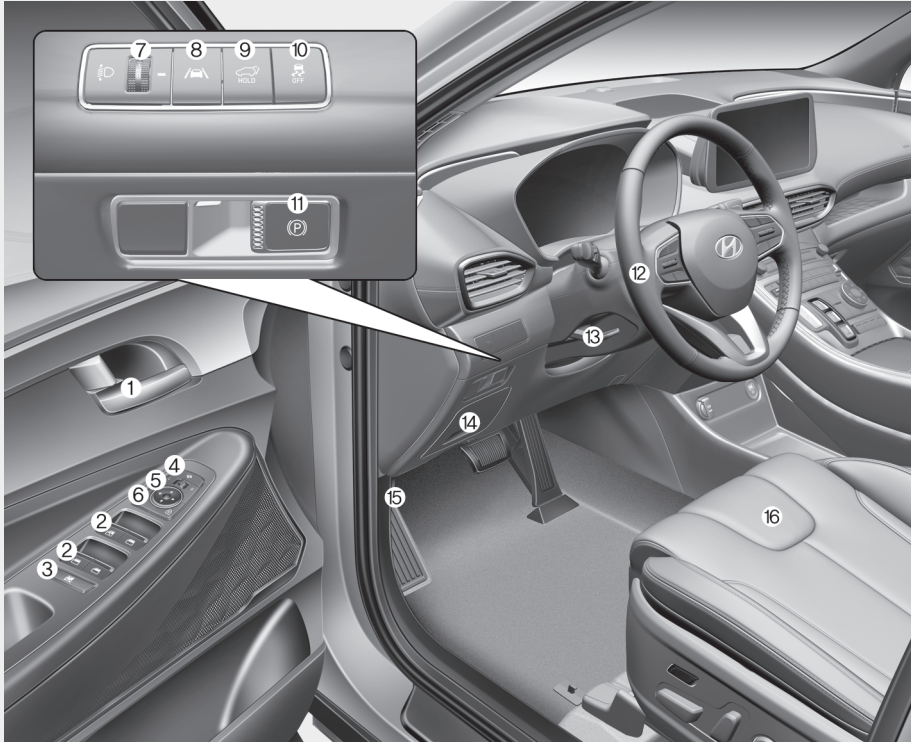
## EXTERIOR OVERVIEW (II) - HYBRID VEHICLE

### ■ Rear view



- |                                 |      |                                       |              |
|---------------------------------|------|---------------------------------------|--------------|
| 9. Door handle .....            | 5-13 | 14. Rear windshield wiper blades..... | 9-25         |
| 10. Fuel filler door.....       | 5-63 | 15. Rear ultrasonic sensors.....      | 7-124, 7-129 |
| 11. Rear combination lamp.....  | 9-61 | 16. Antenna.....                      | 5-114        |
| 12. Tailgate.....               | 5-52 | 17. Rear view camera.....             | 7-100        |
| 13. High mounted stop lamp..... | 9-64 |                                       |              |

## INTERIOR OVERVIEW - HYBRID VEHICLE



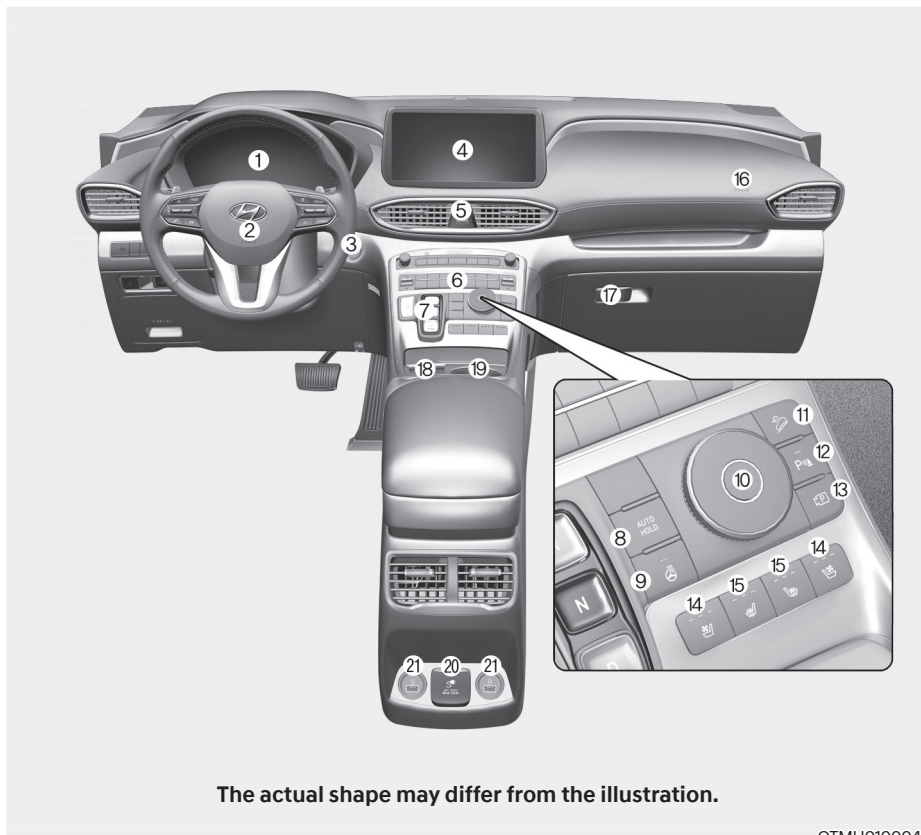
The actual shape may differ from the illustration.

OTM010003

[A] : Type A, [B] : Type B

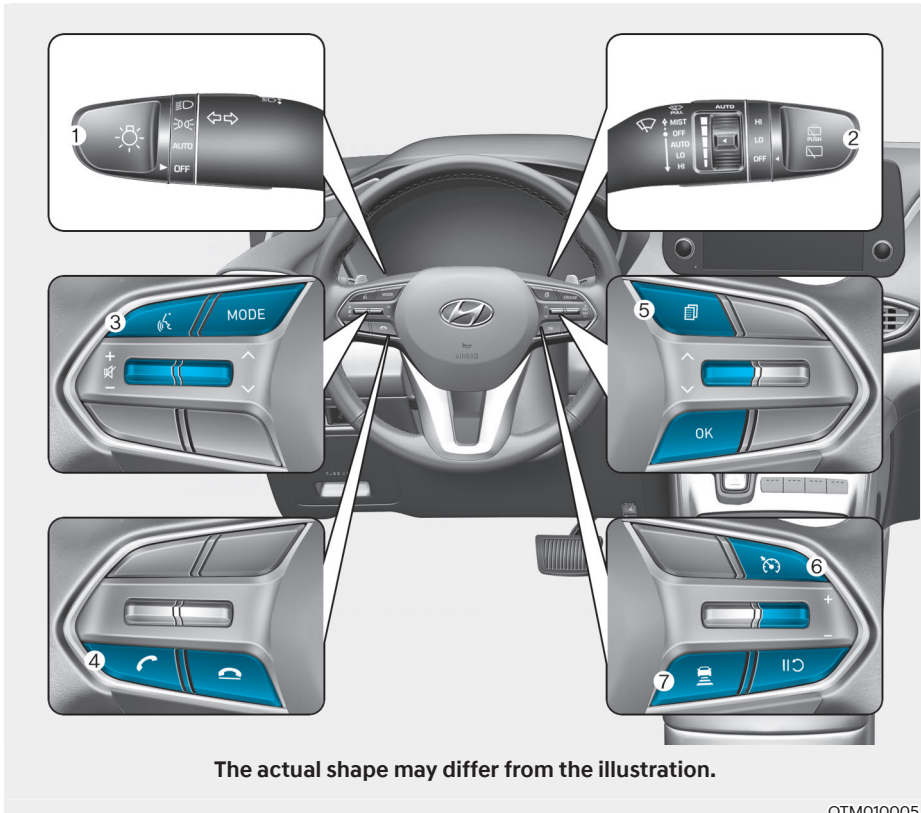
- |  |              |  |              |
|--|--------------|--|--------------|
| 1. Inside door handle.....                 | 5-14         | 8. Lane Safety button .....                    | 7-30         |
| 2. Power window switches .....             | 5-43         | 9. Power tailgate open/close button.....       | 5-54         |
| 3. Power window lock switch .....          | 5-45         | 10. ESC (Electronic Stability Control) OFF     | button.....  |
| / Electronic child safety lock button..... | 5-16         | .....  | 6-29         |
| 4. Side view mirror folding button.....    | 5-39         | 11. EPB (Electronic Parking Brake)             | switch ..... |
| 5. Side view mirror control button .....   | 5-39         | .....  | 6-19         |
| 6. Central door lock switch .....          | 5-14         | 12. Steering wheel.....                        | 5-24         |
| 7. Instrument panel illumination control   | switch ..... | 13. Steering wheel tilt/telescopic switch...5- | 25           |
| .....                                      | 4-7          | 14. Fuse box .....                             | 9-40         |
|  |              | 15. Hood release lever.....                    | 5-51         |
|  |              | 16. Seat.....                                  | 3-3          |

## INSTRUMENT PANEL OVERVIEW (I) - HYBRID VEHICLE



- |  |                     |  |       |
|--|---------------------|--|-------|
| 1. Instrument cluster .....  | 4-5                 | 11. DBC(Downhill Brake Control) button.. | 6-33  |
| 2. Driver's front air bag.....   | 3-44                | 12. Parking Safety button.....           | 7-124 |
| 3. Engine Start/Stop button.....                                       | 6-5                 | 13. Parking/View button .....            | 7-104 |
| 4. Infotainment system .....   | Infotainment manual | 14. Air ventilation seat button .....    | 3-20  |
| 5. Hazard warning lamp switch .....                                    | 8-2                 | 15. Seat warmer button .....             | 3-18  |
| 6. Climate control system .....  | 5-84                | 16. Passenger's front air bag .....      | 3-44  |
| 7. Transmission shift button .....                                     | 6-10                | 17. Glove box .....                      | 5-100 |
| 8. Auto Hold button.....   | 6-24                | 18. Wireless charging system pad.....    | 5-107 |
| 9. Heated steering wheel button.....                                   | 5-25                | 19. Cup holder .....                     | 5-102 |
| 10. Drive mode button (On-road)/Terrain mode<br>button (Off-road)..... | 6-45, 6-48          | 20.AC inverter .....                     | 5-105 |
|  |                     | 21. USB charger .....                    | 5-105 |

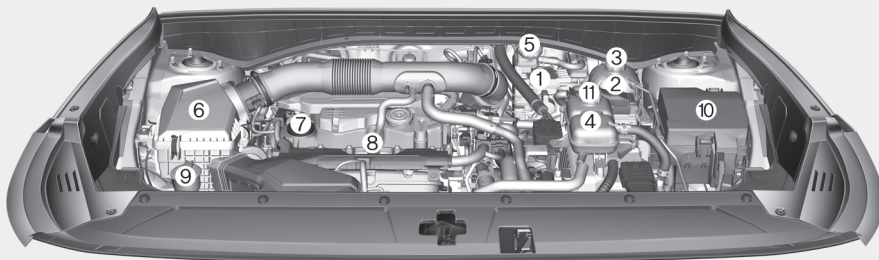
## INSTRUMENT PANEL OVERVIEW (II) - HYBRID VEHICLE



- |   |   |
|---|---|
| 1. Lighting control lever ..... 5-70                | 5. LCD display control ..... 4-36       |
| 2. Wiper and washer control lever.....5-81          | 6. Driving Assist button.....7-63, 7-68 |
| 3. Voice recognition button .....5-116              | 7. Vehicle Distance button..... 7-68    |
| 4. Bluetooth® hands-free<br>phone button .....5-116 |   |

## ENGINE COMPARTMENT - HYBRID VEHICLE

■ Smartstream G 1.6 T-GDi HEV



**The actual engine compartment in the vehicle may differ from the illustration.**

OTMH090001

- |  |   |
|--|---|
| 1. ECU                                   | 7. Engine oil filler cap.....9-14             |
| 2. Engine coolant reservoir .....9-16    | 8. Engine oil dipstick .....9-14              |
| 3. Engine coolant reservoir cap.....9-16 | 9. Windshield washer fluid reservoir.....9-20 |
| 4. Inverter coolant reservoir.....9-16   | 10. Fuse box.....9-40                         |
| 5. Brake fluid reservoir .....9-19       | 11. Inverter coolant reservoir cap .....9-16  |
| 6. Air cleaner .....9-21                 |   |

## EXTERIOR OVERVIEW (I) - PLUG-IN HYBRID VEHICLE

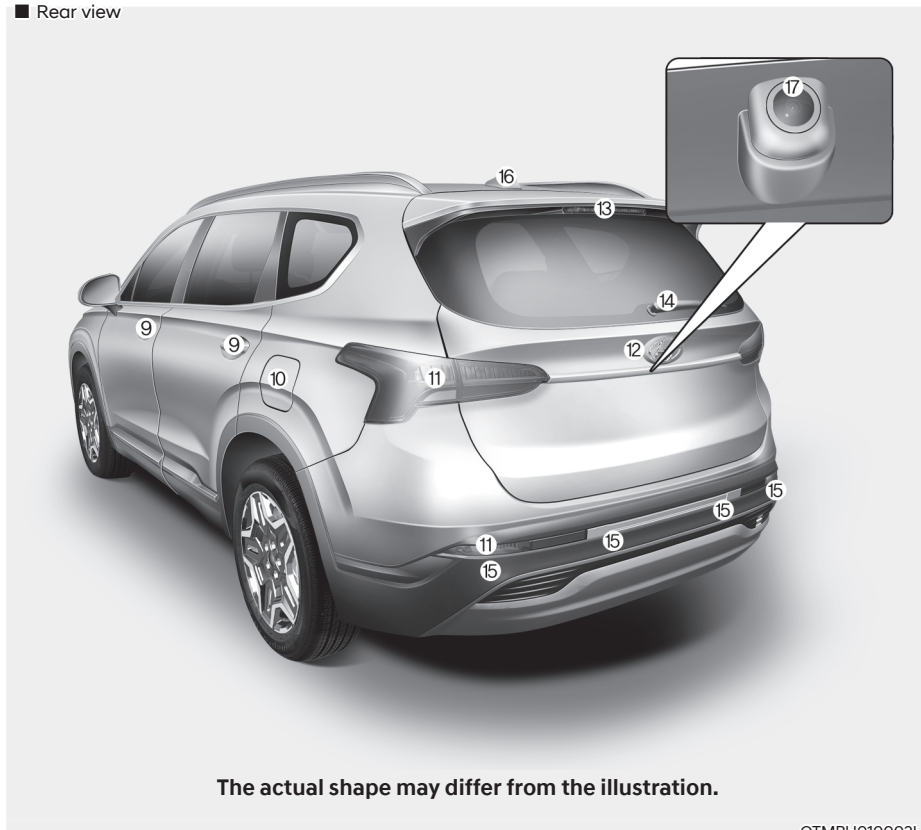
■ Front view



- |                                       |   |
|---------------------------------------|---|
| 1. Hood.....5-51                      | 5. Panorama sunroof ..... 5-46              |
| 2. Headlight.....9-58                 | 6. Front windshield wiper blades ..... 9-24 |
| 3. Tires and wheels.....9-30          | 7. Windows ..... 5-42                       |
| 4. Outside rearview mirror ..... 5-38 | 8. Front ultrasonic sensors..... 7-124      |

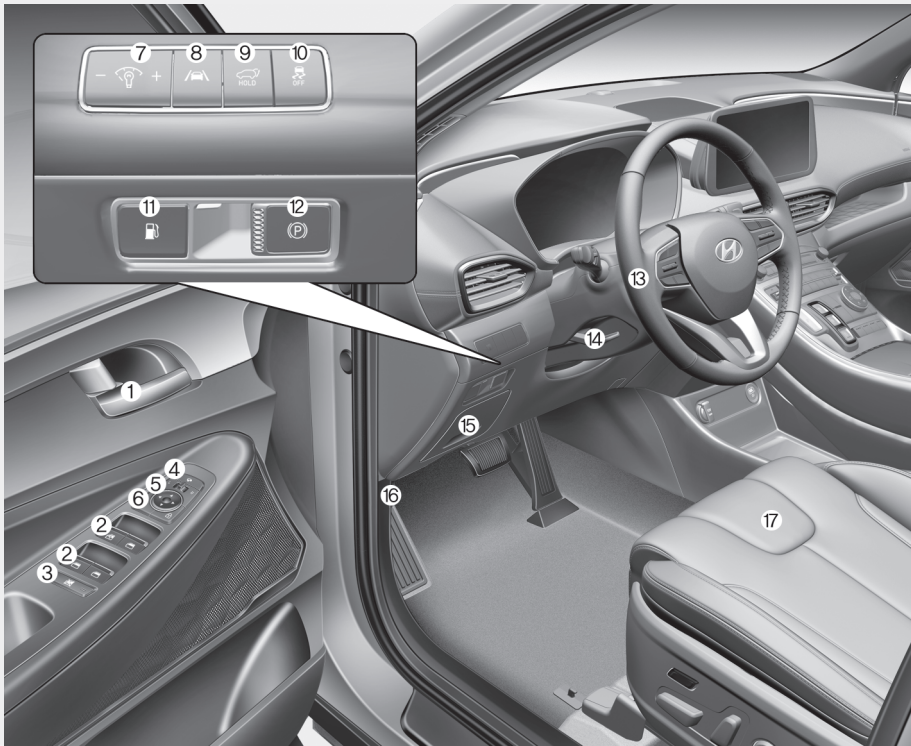
## EXTERIOR OVERVIEW (II) - PLUG-IN HYBRID VEHICLE

■ Rear view



- |                                 |      |                                       |              |
|---------------------------------|------|---------------------------------------|--------------|
| 9. Doors.....                   | 5-13 | 14. Rear windshield wiper blades..... | 9-25         |
| 10. Fuel filler door.....       | 5-63 | 15. Rear ultrasonic sensors.....      | 7-124, 7-129 |
| 11. Rear combination lamp.....  | 9-61 | 16. Antenna.....                      | 5-114        |
| 12. Tailgate.....               | 5-52 | 17. Rear view camera.....             | 7-100        |
| 13. High mounted stop lamp..... | 9-64 |                                       |              |

## INTERIOR OVERVIEW - PLUG-IN HYBRID VEHICLE



The actual shape may differ from the illustration.

OTMPH011005N

[A] : Type A, [B] : Type B

- |   |      |  |      |
|---|------|--|------|
| 1. Inside door handle.....                              | 5-14 | 8. Power tailgate open/close button.....                 | 5-54 |
| 2. Power window switches .....                          | 5-43 | 9. ESC (Electronic Stability Control) OFF<br>button..... | 6-28 |
| 3. Power window lock switch .....                       | 5-45 | 10. Fuel filler door open button.....                    | 5-59 |
| / Electronic child safety lock button.....              | 5-16 | 11. EPB (Electronic Parking Brake) switch...6-19         |      |
| 4. Outside rearview mirror<br>folding button.....       | 5-39 | 12. Steering wheel.....                                  | 5-24 |
| 5. Outside rearview mirror<br>control switch .....      | 5-39 | 13. Steering wheel tilt/telescopic switch...5-25         |      |
| 6. Instrument panel illumination control<br>switch..... | 5-7  | 14. Fuse box.....  | 9-40 |
| 7. Lane Safety button .....                             | 7-19 | 15. Hood release lever.....                              | 5-51 |
|   |      | 16. Seat.....  | 3-3  |

## INSTRUMENT PANEL OVERVIEW (I) - PLUG-IN HYBRID VEHICLE

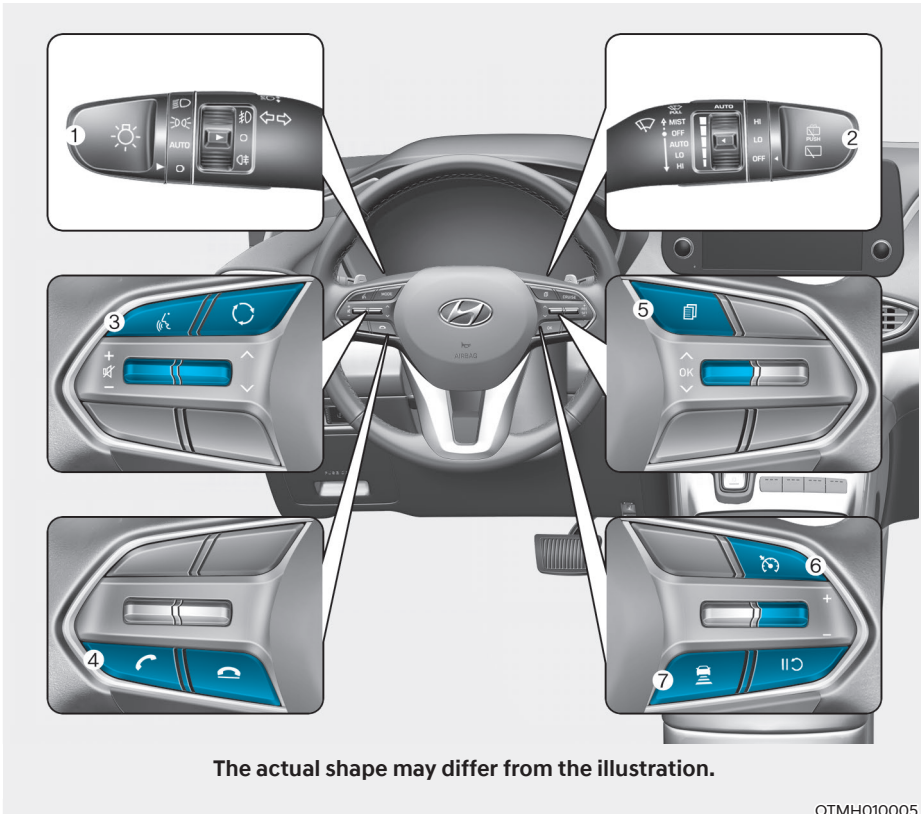


The actual shape may differ from the illustration.

OTMPH010004L

- |                                       |                     |  |       |
|---------------------------------------|---------------------|--|-------|
| 1. Instrument cluster.....            | 4-5                 | 12. DBC(Downhill Brake Control) button.. | 6-33  |
| 2. Driver's front air bag.....        | 3-44                | 13. Parking Safety button.....           | 7-124 |
| 3. Engine Start/Stop button.....      | 6-5                 | 14. Parking/View button .....            | 7-104 |
| 4. Infotainment system .....          | Infotainment manual | 15. Seat warmer button .....             | 3-20  |
| 5. Hazard warning lamp switch .....   | 8-2                 | 16. Air ventilation seat button .....    | 3-18  |
| 6. Climate control system .....       | 5-84                | 17. Passenger's front air bag .....      | 3-44  |
| 7. Transmission shift button .....    | 6-10                | 18. Glove box .....                      | 5-25  |
| 8. EV/HEV button .....                | 1-36                | 19. Wireless charging system pad.....    | 5-107 |
| 9. Auto Hold button.....              | 6-24                | 20. Cup holder .....                     | 5-102 |
| 10. Heated steering wheel button..... | 5-25                | 21. AC 220V inverter.....                | 5-105 |
| 11. AWD lock button .....             | 6-38                | 22. USB charger .....                    | 5-105 |

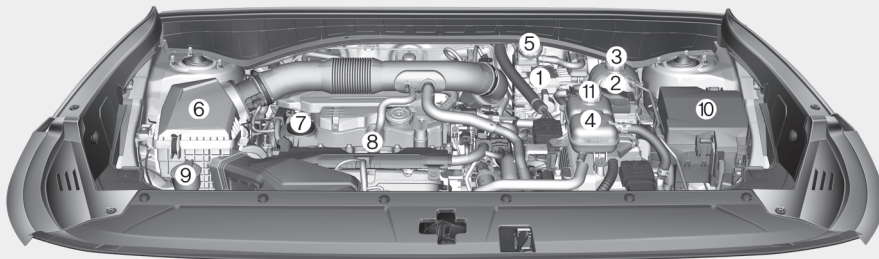
## INSTRUMENT PANEL OVERVIEW (II) - PLUG-IN HYBRID VEHICLE



- |   |                                      |
|---|--------------------------------------|
| 1. Lighting control lever ..... 5-70                | 5. LCD display control ..... 4-36    |
| 2. Wiper and washer control lever.....5-81          | 6. Driving Assist button..... 7-68   |
| 3. Voice recognition button .....5-116              | 7. Vehicle Distance button..... 7-68 |
| 4. Bluetooth® hands-free<br>phone button .....5-116 |                                      |

## ENGINE COMPARTMENT - PLUG-IN HYBRID VEHICLE

■ Smartstream G 1.6 T-GDi HEV



**The actual engine compartment in the vehicle may differ from the illustration.**

OTMH090001

- |  |   |
|--|---|
| 1. ECU                                   | 7. Engine oil filler cap.....9-14             |
| 2. Engine coolant reservoir .....9-16    | 8. Engine oil dipstick .....9-14              |
| 3. Engine coolant reservoir cap.....9-16 | 9. Windshield washer fluid reservoir.....9-20 |
| 4. Inverter coolant reservoir.....9-16   | 10. Fuse box.....9-40                         |
| 5. Brake fluid reservoir .....9-19       | 11. Inverter coolant reservoir cap .....9-16  |
| 6. Air cleaner .....9-21                 |   |

## DIMENSIONS

Items		mm (in)	
Overall length		4,785(188.4)	
Overall width		1,900(74.8)	
Overall height		1,685 (66.3) / 1,710 (67.3) *	
Wheel treat		Front	Rear
	235/65 R17	1,651 (65)	1,661 (65.49)
	235/55 R19	1,646 (64.80)	1,656 (65.20)
Wheelbase		2,765 (108.9)	

\* : if equipped with roof rack

## ENGINE

Engine	Displacement cc (cu. in)	Bore x Stroke mm (in.)	Firing order	No. of cylinders
Smartstream G 1.6 T-GDi HEV/PHEV	1,598(97.52)	75.6 X 89 (2.98 X 3.5)	1-3-4-2	In-line 4 cylinder

## BULB WATTAGE

		Light bulb		Bulb type	Wattage
Front	Type A	Headlight	High	LED	LED
			Low	LED	LED
		Daytime running lamp (DRL) / position lamp		LED	LED
		Turn signal lamp		PY27W	27
		Side marker lamp		LED	LED
	Type B	Headlight	High	LED	LED
			Low	LED	LED
		Daytime running lamp (DRL) / position lamp		LED	LED
		Turn signal lamp		LED	LED
		Side marker lamp		LED	LED
Turn signal lamp (Outside mirror)		LED	LED		
Rear	Type A	Tail lamp		W5W	5
		Tail/Stop lamp		P21/5W	5/21
		Turn signal lamp		P28/8W	28
		Side marker lamp		W5W	5
	Type B	Tail lamp		LED	LED
		Stop lamp		LED	LED
		Turn signal lamp		LED	LED
		Side marker lamp		LED	LED
	Reverse lamp		W16W	16	
	License plate lamp		W5W	5	
High mounted stop lamp		LED	LED		
Interior	Map lamp	Type A	W10W	10	
		Type B	LED	LED	
	Room lamp		FESTOON	10	
	Personnal lamp		LED	LED	
	Glove box lamp		W5W	5	
	Sunvisor lamp		FESTOON	5	
Luggage compartment lamp		FESTOON	10		

## TIRES AND WHEELS

Item		Tire size	Wheel size	Inflation pressure bar (kPa, psi)				Wheel lug nut torque kgf·m (N·m)
				Normal load		Maximum load		
				Front	Rear	Front	Rear	
Full size tire	HEV	235/65 R17	7.0J X 17	240(35)		255 (37)	275 (40)	11-13 (107-127)
		235/55 R19	7.5J X 19					
	PHEV	235/55 R19	7.5J X 19	248(36)				
Compact spare tire		T135/90 D17	4.0B x 17	420 (60)				

### NOTICE

- 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.

### CAUTION

When replacing tires, ALWAYS use the same size, type, brand, construction and tread pattern supplied with the vehicle. If not, it can damage the related parts or make it work irregularly.

## AIR CONDITIONING SYSTEM

Items		Weight of volume		Classification
Refrigerant g (oz.)	R1234yf	Front	625 (22.05) ± 25 (0.88)	HEV
		Front + Rear	800 (28.22) ± 25 (0.88)	
		Front	650 (22.93) ± 25 (0.88)	PHEV
		Front + Rear	875 (30.86) ± 25 (0.88)	
Compressor lubricant g (oz.)		Front	150 (5.29) ± 10 (0.35)	POE
		Front + Rear	230 (8.11) ± 10 (0.35)	

For more details, you contact an authorized HYUNDAI dealer.

## VOLUME AND WEIGHT


Items		Smartstream G1.6 T-GDi HEV	Smartstream G1.6 T-GDi PHEV
		AWD	AWD
Gross vehicle weight Kg (lbs.)		2,530 (5,578)	2,650(5,842)

Luggage volume		
Items		5-seater
SAE ℓ (cu. Ft)	BEHIND 1ST ROW	2,041 (72.1) ~ *2,396 (84.6) (*Forward and upright seat position)
	BEHIND 2ND ROW	1,032 (36.4) ~ 1,075 (37.9) (*upright seat position)

## 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)	Recommends 	4.8 ℓ (5.1 US qt.)	SAE 0W-20, API SN PLUS/SP or ILSAC GF-6
Automatic transmission fluid		6 ℓ (6.3 US qt.)	SK ATF SP4M-1, MICHANG ATF SP4M-1, S-OIL ATF SP4M-1, Hyundai Genuine ATF SP4M-1
Coolant		7.31 L (7.72 US qt.)	Mixture of antifreeze and water (Phosphate-based Ethylene glycol coolant for aluminum radiator)
Inverter Coolant	HEV	1.71 ℓ (1.8 US qt.)	Mixture of antifreeze and water (Phosphate-based Ethylene glycol coolant for aluminum radiator)
	PHEV	6.67 ℓ (7.04 US qt.)	Contact an authorized Hyundai dealer/service partner*4
Rear differential oil (AWD)		0.53 ~ 0.63 ℓ (0.56 ~ 0.67 US qt.)	HYPOID GEAR OIL API GL-5, SAE 75W/85 (SK HCT-5 GEAR OIL 75W/85 or EQUIVALENT)
Transfer case oil (AWD)		0.53 ~ 0.63 ℓ (0.56 ~ 0.67 US qt.)	HYPOID GEAR OIL API GL-5, SAE 75W/85 (SK HCT-5 GEAR OIL 75W/85 or EQUIVALENT)
Brake fluid *3		As required	SAE J1704 DOT-4 LV, FMVSS 116 DOT-4, ISO4925 CLASS-6
Fuel	HEV	67 ℓ (70.8 US qt.)	Refer to "Fuel requirements" in chapter 1.
	PHEV	47 ℓ (49.7 US qt.)	

\*1: Refer to the recommended SAE viscosity numbers on the next page.

\*2: Requires < API SN PLUS (or above) Full synthetic > grade engine oil.

\*3: To maintain the best braking performance and ABS/ESC performance, You use genuine brake fluid that conform to specifications.

\*4: Different type of coolant or water may damage the electrical component.

## 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.

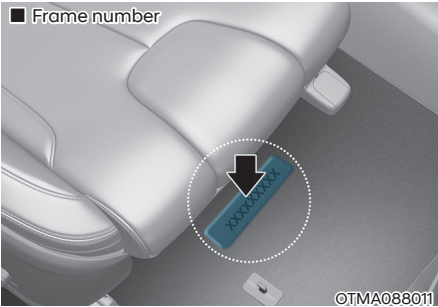
When choosing an oil, consider the range of temperature your vehicle will be operated in before the next oil change. Proceed to select the recommended oil viscosity from the chart.

		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		
Smartstream G 1.6 T-GDi HEV						0W-20					
Smartstream G 1.6 T-GDi PHEV						0W-20					



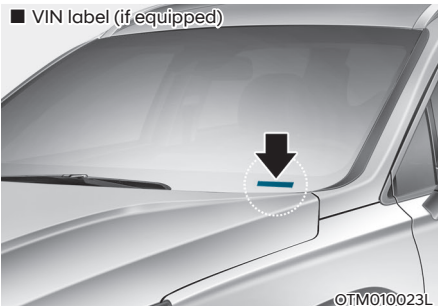
An engine oil displaying this API Certification Mark conforms to the international Lubricant Specification Advisory Committee (ILSAC). It is recommended to only use engine oils that uphold this API Certification Mark.

## VEHICLE IDENTIFICATION NUMBER (VIN)



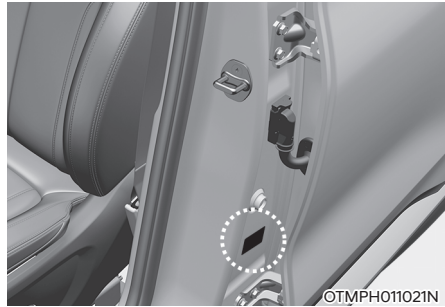
The vehicle identification number (VIN) is the number used in registering your vehicle and in all legal matters pertaining to its ownership, etc.

The number is punched on the floor under the passenger seat. To check the number, open the cover.



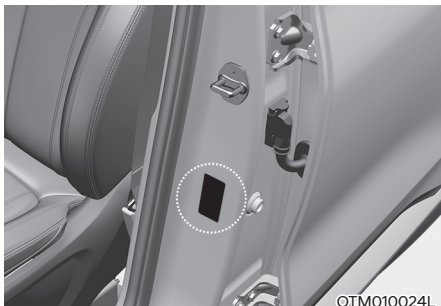
The VIN is also on a plate attached to the top of the left side dashboard. The number on the plate can easily be seen through the windshield from outside.

## 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).

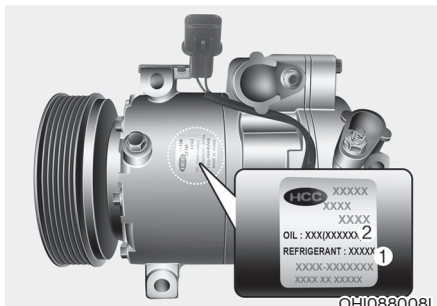
## TIRE SPECIFICATION AND PRESSURE LABEL



©TM010024L

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.

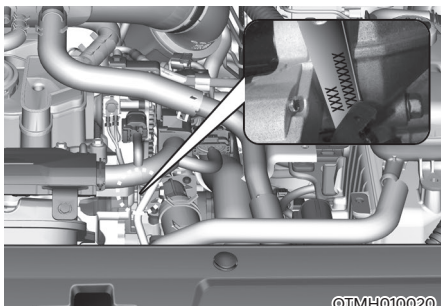
## AIR CONDITIONER COMPRESSOR LABEL



OH1088008L

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).

## ENGINE NUMBER



©TMH010020

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

## REPORTING SAFETY DEFECTS

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform Transport Canada (TC) in addition to notifying HYUNDAI AUTO CANADA CORP.

Mailing Address:

Transport Canada - ASFAD  
330 Sparks Street  
Ottawa, ON  
K1A 0N5

Telephone: 819-994-3328 (Ottawa-Gatineau area or internationally)

Toll free: 1-800-333-0510 (in Canada)

Online:

<http://www.tc.gc.ca/recalls>

If TC receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, TC cannot become involved in individual problems between you, your dealer, or HYUNDAI AUTO CANADA CORP.