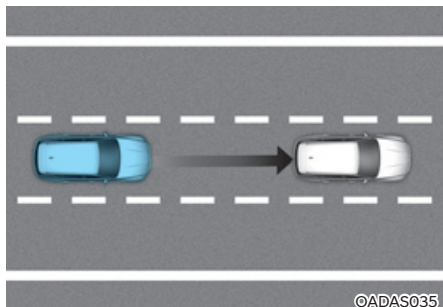


## HIGHWAY DRIVING ASSIST (HDA) (IF EQUIPPED)

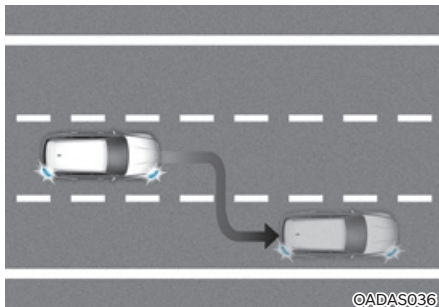
### Basic function

Highway Driving Assist is designed to help detect vehicles and lanes ahead, and help maintain distance from the vehicle ahead, maintain the set speed, and help center the vehicle in the lane while driving on the highway.



### Highway Lane Change Assist (if equipped)

Highway Lane Change Assist function helps change lanes to the direction the driver slightly moves the turn signal switch if the function judges that lane change is possible.



### **i** Information

- Highway Driving Assist is available only on controlled access road of certain highways. (except for the interchange/junction)
  - \* Controlled access road indicates roads with limited entrances and exits that allow uninterrupted high speed traffic flow. Only passenger cars and motorcycles are allowed on controlled access roads.
- Additional highways may be expanded by future navigation updates.

### **i** Information

Highway Driving Assist operates on main roads of highways, and does not operate on interchange or junctions.

## Detecting sensor



- [1] : Front view camera, [2]: Front radar,  
[3] : Front corner radar (if equipped),  
[4] : Rear corner radar (if equipped)

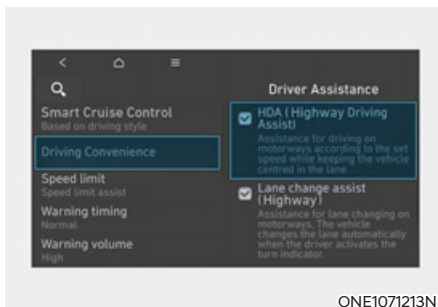
Refer to the picture above for the detailed location of the detecting sensors.



## CAUTION

For more details on the precautions of the detecting sensors, refer to “Forward Collision-Avoidance Assist (FCA)” section in this chapter.

## Highway Driving Assist Settings Setting features



ONE1071213N

### Basic function

With the vehicle on, select or deselect 'Driver Assistance → Driving Convenience' from the Settings menu to set whether to use each function.

- If 'Highway Driving Assist' is selected, it helps maintain distance from the vehicle ahead, maintain the set speed, and helps center the vehicle in the lane.

### Highway Lane Change Assist (if equipped)

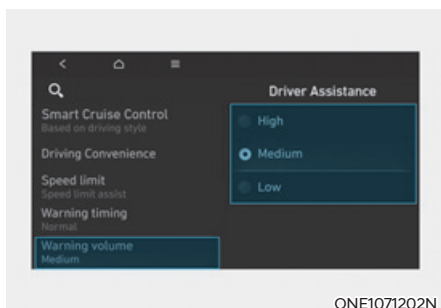
- If 'Highway Lane Change Assist' is selected, it helps the driver change lanes.

## **i** Information

- When 'Highway Driving Assist' is deselected, the setting for 'Highway Lane Change Assist' cannot be changed.
- If there is a problem with the functions, the settings cannot be changed. Have the vehicle be inspected by an authorized HYUNDAI dealer.
- If the vehicle is restarted, the functions will maintain the last setting.

## **!** WARNING

For your safety, change the Settings after parking the vehicle at a safe location.



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### Warning Volume

With the vehicle on, select 'Driver Assistance → Warning Volume' from the Settings menu to change the Warning Volume to 'High', 'Medium' or 'Low' for Highway Driving Assist.

If you change the warning volume, the Warning Volume of other Driver Assistance systems may change.

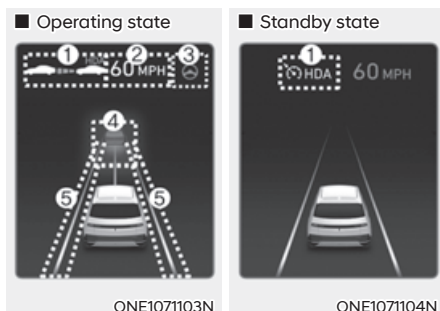
## Highway Driving Assist Operation

### Basic function

#### Display and control

You can see the status of the Highway Driving Assist operation in the Driving Assist view on the cluster. Refer to "View Modes" section in chapter 4.

Highway Driving Assist will be displayed as below depending on the status of the function.



- (1) Highway Driving Assist indicator, whether there is a vehicle ahead and the selected distance level are displayed.

\* Highway Driving Assist indicator

- Green HDA : Operating state
- Grey HDA : Standby state
- White HDA blink: Accelerator depressed state

- (2) Set speed
- (3) Lane Following Assist indicator
- (4) Whether there is a vehicle ahead and the selected headway
- (5) Whether the lane is detected or not

## Information

For more details on the display refer to “Smart Cruise Control (SCC)” and “Lane Following Assist (LFA)” sections in this chapter.

### Highway Driving Assist operating

Highway Driving Assist operates when:

- Driving on the main road of highways, and turning on Highway Driving Assist by pressing the Driving Assist (🛣️) button.
- Entering the main road of highways while Lane Following assist and Smart Cruise Control are operating

## Information

- **While driving on the highway, if Smart Cruise Control starts operating, Highway Driving Assist will operate.**
- **When entering the main roads of highways while Smart Cruise Control is operating, Driving Assist will not turn on if Lane Following Assist is turned off.**

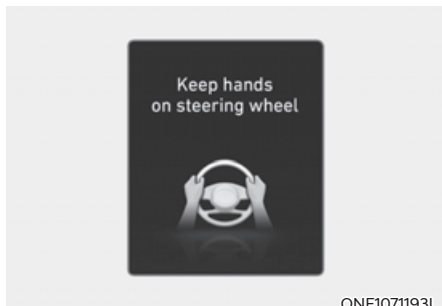
- Restarting after stopping



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When Highway Driving Assist is operating, your vehicle will stop if the vehicle ahead of you stops. Also, if the vehicle ahead of you starts moving within 30 seconds after the stop, your vehicle will start as well. In addition, after the vehicle has stopped and 30 seconds have passed, the ‘Use switch or pedal to accelerate’ message will appear on the cluster. Depress the accelerator pedal or push the + switch, - switch or ||○ switch to start driving.

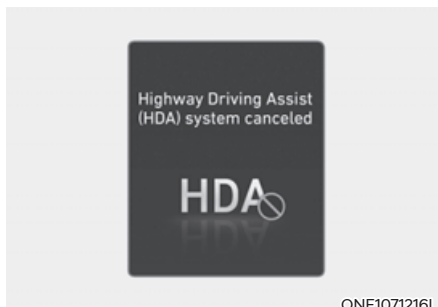
- Hands-off warning



If the driver takes their hands off the steering wheel for several seconds, the 'Place hands on the steering wheel' warning message will appear and an audible warning will sound in stages.

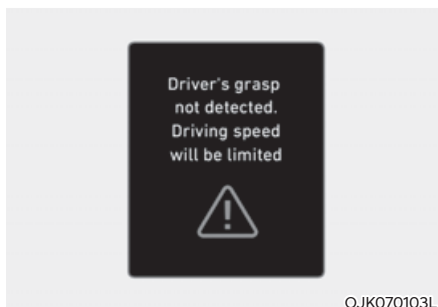
First stage : Warning message

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 'Highway Driving Assist (HDA) canceled' warning message will appear and Highway Driving Assist and Lane Change Assist will be automatically canceled.

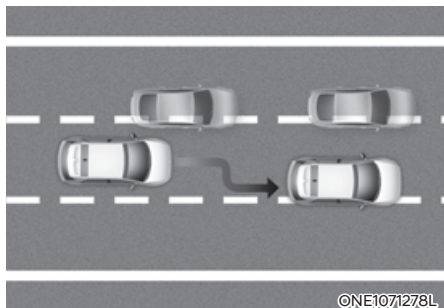
- Driving speed limit



When Highway Driving Assist is canceled by the hands-off warning, The driving speed will be limited.

While Driving Speed Limit function is operating, the 'Driver's grasp not detected. Driving speed will be limited' warning message will appear on the cluster, and an audible warning will sound continuously.

- Driving to one side within lane (if equipped)





When vehicle speed is above 40 mph (60 km/h), if a vehicle around you is driving at a close distance, your vehicle will control steering in the opposite direction of the vehicle to assist in safe driving.

If there are vehicles in both sides of the lane that are driving close to you, the function will not veer to the opposite side of the lane.

### Highway Driving Assist standby

When the Smart Cruise Control is temporarily canceled while Highway Driving Assist is operating, Highway Driving Assist will be in the standby state. At this time, Lane Following Assist will operate properly.

### Information

- **Driving Speed Limit** helps you drive below 40 mph (60 km/h). At this time, the vehicle decelerates due to the vehicle ahead. After the vehicle has decelerated, it cannot automatically accelerate.
- **Driving Speed Limit** will cancel in the following circumstances:
  - When the driver grabs the steering wheel again
  - When the driver turns on **Lane Following Assist** by pressing the **Lane Driving Assist** button
  - When **Smart Cruise Control** switch **+**, **-**, **||**  or  button is pushed, or the accelerator pedal or the brake pedal is depressed