System temporarily unavailable

A chime sounds under the following conditions and the control is automatically canceled:

- When the vehicle slows down more than 8 mph (13 km/h) below the set speed
- When the shift lever is not in the D (Drive) or B mode
- When the parking brake is applied
- When the VDC operates (including the traction control system)
- When a wheel slips

When the system is not operating properly, the chime sounds and the color of the cruise indicator will change to orange.

Action to take

If the color of the cruise indicator changes to orange, stop the vehicle in a safe place and place the shift lever in the P (Park) position. Turn the EV system off, restart the EV system, resume driving, and then perform the setting again.

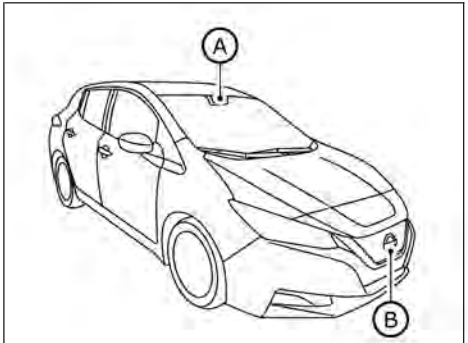
If it is not possible to set or the indicator stays on, it may indicate that the system is malfunctioning. Although the vehicle is still drivable under normal conditions, have the vehicle checked. It is recommended that you visit a NISSAN certified LEAF dealer for this service.

⚠ WARNING

Failure to follow the warnings and instructions for proper use of the ProPILOT Assist system could result in serious injury or death.

- **ProPILOT Assist is not a self-driving system. Within the limits of its capabilities, as described in this manual, it helps the driver with certain driving activities.**
- **The ProPILOT Assist system is not a replacement for proper driving procedures and is not designed to correct careless, inattentive or absent-minded driving. ProPILOT Assist will not always steer the vehicle to keep it in the lane. The ProPILOT Assist system is not designed to prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.**

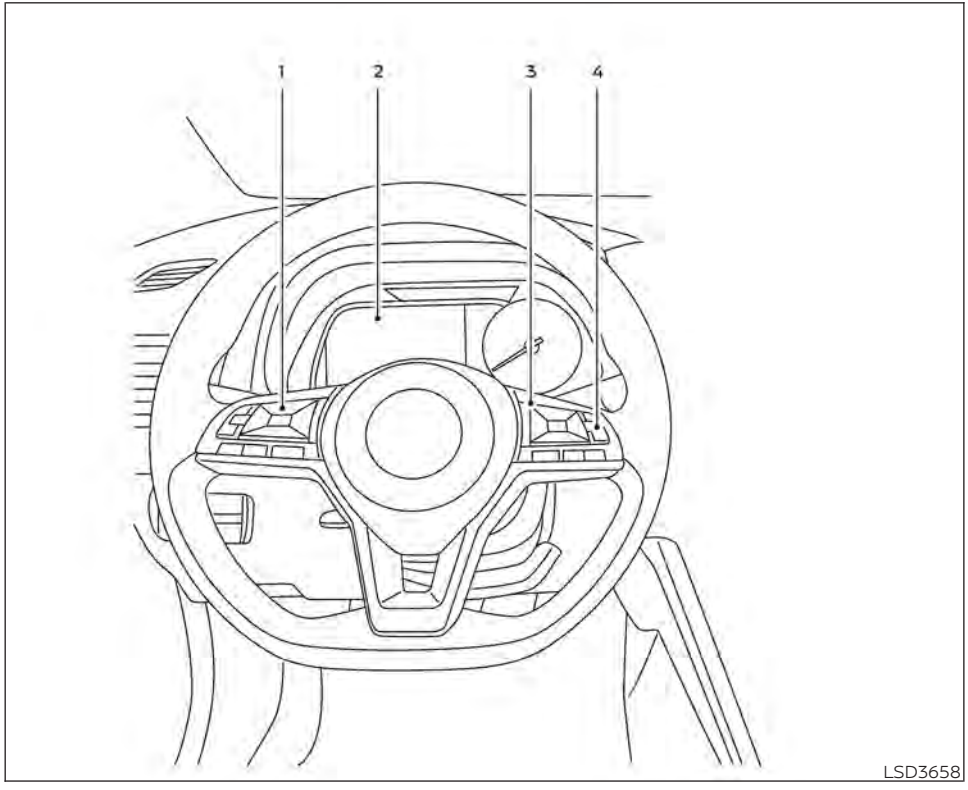
- **There are limitations to the ProPILOT Assist system capability. The ProPILOT Assist system does not function in all driving, traffic, weather, and road conditions. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.**
- **The ProPILOT Assist system is only an aid to assist the driver and is not a collision warning or avoidance device.**
- **The ProPILOT Assist system is for highway use only and is not intended for city driving. Failure to apply the brake or steer the vehicle when necessary may result in a serious accident.**
- **Always observe posted speed limits and do not set the speed over them.**
- **Never take your hands off the steering wheel when driving. Always keep your hands on the steering wheel and drive your vehicle safely.**
- **Never unfasten your safety belt when using ProPILOT Assist. Doing so automatically cancels the ProPILOT Assist system.**
- **The ProPILOT Assist system does not react to stationary and slow moving vehicles.**
- **Always drive carefully and attentively when using the ProPILOT Assist system. Read and understand the Owner's Manual thoroughly before using the ProPILOT Assist system. To avoid serious injury or death, do not rely on the system to prevent accidents or to control the vehicle's speed in emergency situations. Do not use the ProPILOT Assist system except in appropriate road and traffic conditions.**



LSD3009

The ProPILOT Assist system is intended to enhance the operation of the vehicle when following a vehicle traveling in the same lane and direction.

The ProPILOT Assist system uses a multi-sensing front camera unit Ⓐ installed behind the windshield and a radar sensor located on the front of the vehicle Ⓑ to measure the distance to the vehicle ahead in the same lane and to monitor the lane markers. If the vehicle detects a slower moving vehicle ahead, the system will reduce the vehicle speed so that your vehicle follows the vehicle in front at the selected distance. The system will also help keep the vehicle centered in the traveling lane when clear lane markings are detected.



PROPILOT ASSIST SYSTEM OPERATION

1. Steering-wheel-mounted control (left)
2. Vehicle information display
3. Steering-wheel-mounted control (right)
4. ProPILOT Assist switch

The ProPILOT Assist system has the following two functions:

1. **Intelligent Cruise Control (ICC)**

   The ICC system can be set to one of two cruise control modes:

   - **Conventional (fixed speed) cruise control mode:** For cruising at a preset speed

   NOTE:
   Steering Assist is not available in the conventional (fixed speed) cruise control mode.

   - **Vehicle-to-vehicle distance control mode:** The ICC system maintains a selected distance from the vehicle in front of you within the speed range of 0 to 90 mph (0 to 144 km/h) up to the set speed. The set speed can be selected by the driver between 20 to 90

mph (32 to 144 km/h). When the vehicle ahead slows to a stop, your vehicle gradually decelerates to a standstill. When the vehicle is stopped, the ICC system maintains braking force to keep your vehicle stopped.

NOTE:
When your vehicle is stopped for less than 3 seconds and the vehicle ahead begins to move, your vehicle will start moving again automatically.

- When your vehicle is at a standstill for more than 3 seconds and the vehicle ahead begins to accelerate, push the RES+ switch or lightly depress the accelerator pedal. The ICC system starts to follow the vehicle ahead.
- When no vehicle is detected ahead within the driver selected distance, the vehicle travels at the speed set by the driver. The speed must be above 20 mph (32 km/h) to use this function.

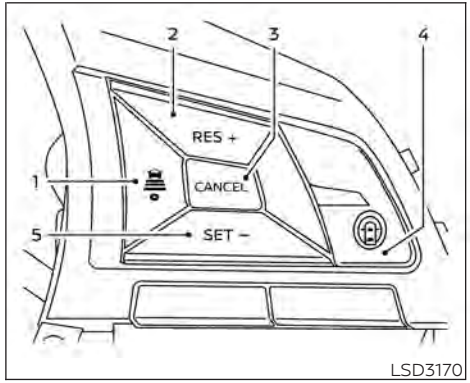
NOTE:

Even if the Automatic Emergency Braking (AEB) with Pedestrian Detection setting is turned off by the driver using the "Settings" menu in the vehicle information display, AEB with Pedestrian Detection will be automatically turned on when ICC is used.

2. **Steering Assist**

   The Steering Assist function controls the steering system to help keep your vehicle within the traveling lane.

   When there is no vehicle ahead, Steering Assist is not available at speeds under 37 mph (60 km/h).

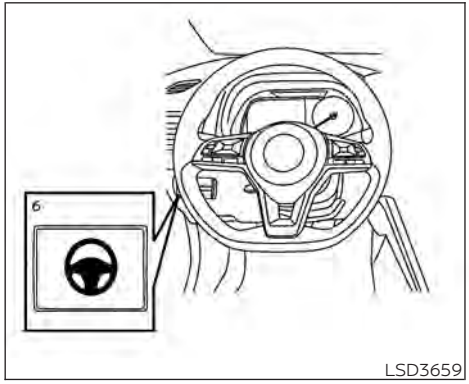


ProPILOT Assist switches

1. **DISTANCE switch:**
   - Long
   - Middle
   - Short
2. **RES+ switch:**

   Resumes set speed or increases speed incrementally
3. **CANCEL switch:**

   Deactivates the ProPILOT Assist system



4. **ProPILOT Assist switch:**

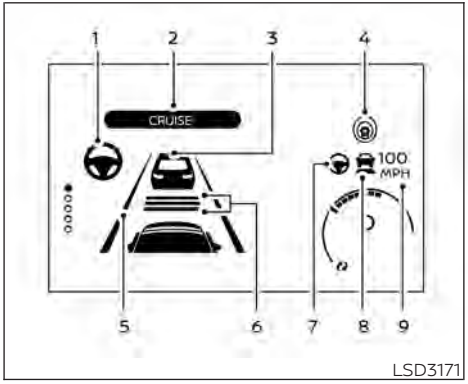
   Turns the ProPILOT Assist system on or off

5. **SET- switch:**

   Sets desired cruise speed or reduces speed incrementally

6. **Steering Assist switch:**

   Turns the Steering Assist function on or off



The ProPILOT Assist system display and indicators

1. **Steering Assist indicator**

   Indicates the status of the Steering Assist function by the color of the indicator

   - Steering Assist indicator (gray): Steering Assist standby
   - Steering Assist indicator (green): Steering Assist active
   - Steering Assist indicator (orange): Steering Assist malfunction

2. **ProPILOT Assist activation**

   Displays once the ProPILOT Assist system is activated

3. **Vehicle ahead detection indicator**

   Indicates whether the system detects a vehicle in front of you

4. **ProPILOT Assist status indicator**

   Indicates the status of the ProPILOT Assist system by the color of the indicator

   - ProPILOT Assist status indicator (white): ProPILOT Assist is on but in standby
   - ProPILOT Assist status indicator (blue): ProPILOT Assist active

5. **Lane marker indicator**

   Indicates whether the system detects lane markers

   - No lane markers displayed: Steering Assist is turned off
   - Lane marker indicator (gray): No lane markers detected
   - Lane marker indicator (green): Lane markers detected
   - Lane marker indicator (yellow): Lane departure is detected

6. **Set distance indicator**

   Displays the selected distance

7. **Steering Assist status indicator/warning**

   Displays the status of the Steering Assist by the color of the indicator/warning

   - No Steering Assist status indicator displayed: Steering Assist is turned off
   - Steering Assist indicator (gray): Steering Assist standby
   - Steering Assist indicator (green): Steering Assist active
   - Steering Assist indicator (yellow): Steering Assist malfunction

8. **Speed control status indicator/warning**

   Displays the status of speed control by the color and shape of the indicator/warning

   - Speed control status indicator/warning (gray): ICC standby
   - Speed control status indicator/warning (solid green): ICC (distance control mode) is active (vehicle detected ahead). Your vehicle matches the speed of the vehicle ahead.
   - Speed control status indicator/warning (green outline): ICC (maintain speed control mode) is active (no vehicle detected ahead). Your vehicle maintains the driver-selected set speed.
   - Speed control status indicator/warning (orange): Indicates an ICC malfunction

9. **Set vehicle speed indicator**

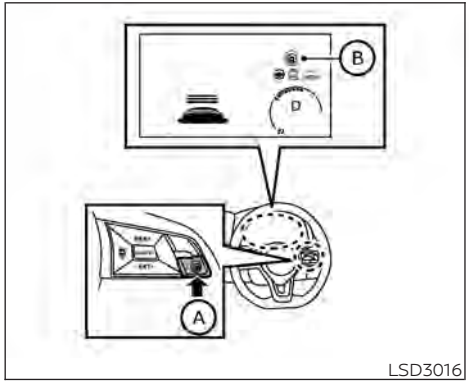
   Indicates the set vehicle speed

TURNING THE CONVENTIONAL (fixed speed) CRUISE CONTROL MODE ON

NOTE:

ProPILOT Assist provides no approach warnings, automatic braking, or steering assist in the conventional (fixed speed) cruise control mode.

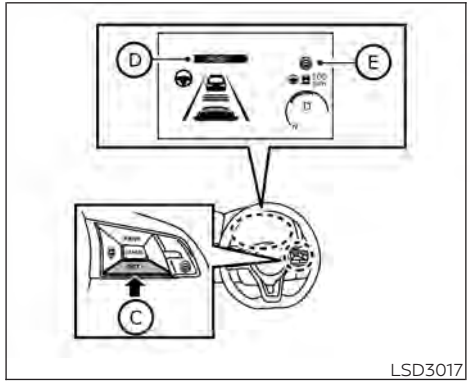
To choose the conventional (fixed speed) cruise control mode, push and hold the ProPILOT Assist switch for longer than approximately 1.5 seconds. For additional information, refer to "Conventional (fixed speed) cruise control mode" in this section.



LSD3016

OPERATING PROPILOT ASSIST

1. Push the ProPILOT Assist switch Ⓐ. This turns on the ProPILOT Assist system and displays the status of the ProPILOT Assist system on the vehicle information display Ⓑ.
2. Accelerate or decelerate your vehicle to the desired speed.

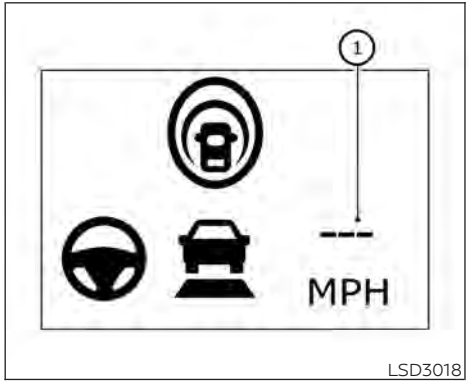


LSD3017

3. Push the SET- switch ©. The ProPILOT Assist system begins to automatically maintain the set speed. The ProPILOT Assist activation indicator Ⓓ and ProPILOT Assist status indicator Ⓔ illuminate (blue). When a vehicle ahead is traveling at a speed of 20 mph (32 km/h) or below and the SET- switch is pushed, the set speed of your vehicle is 20 mph (32 km/h).

NOTE:

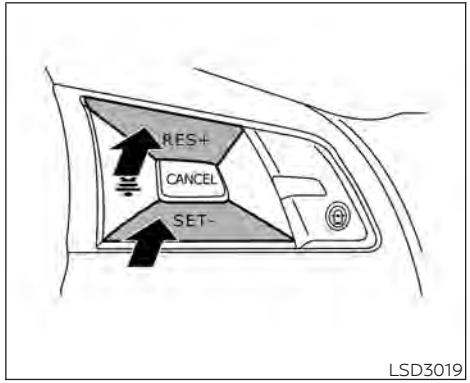
Turning the ProPILOT Assist system on will turn on the Intelligent Lane Intervention (I-LI) and the Intelligent Blind Spot Intervention (I-BSI) systems at the same time. For additional information, refer to "Intelligent Lane Intervention (I-LI)" and "Intelligent Blind Spot Intervention (I-BSI)" in this section.



LSD3018

When the SET- switch is pushed under the following conditions, the ProPILOT Assist system cannot be set and the set vehicle speed indicator ① blinks for approximately 2 seconds:

- When traveling below 20 mph (32 km/h) and the vehicle ahead is not detected
- When the shift lever is not in the D (Drive) position or B mode
- When the parking brake is applied
- When the brakes are operated by the driver
- When the Vehicle Dynamic Control (VDC) system is off. For additional information, refer to "Vehicle Dynamic Control (VDC) system" in this section.
- When the VDC system (including the traction control system) is operating
- When a wheel is slipping
- When any door is open
- When the driver's seat belt is not fastened



LSD3019

How to change the set vehicle speed

The set vehicle speed can be adjusted.

To change to a faster cruising speed:

- Push and hold the RES+ switch. The set vehicle speed increases by approximately 5 mph (5 km/h).
- Push, then quickly release, the RES+ switch. Each time you do this, the set speed increases by approximately 1 mph (1 km/h).

To change to a slower cruising speed:

- Push and hold the SET- switch. The set vehicle speed decreases by approximately 5 mph (5 km/h).
- Push, then quickly release, the SET- switch. Each time you do this, the set speed decreases by approximately 1 mph (1 km/h).

How to momentarily accelerate or decelerate

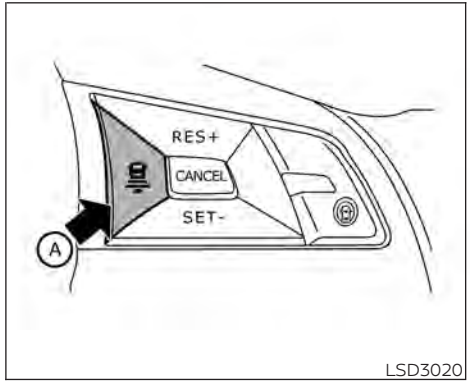
- Depress the accelerator pedal when acceleration is required. Release the accelerator pedal to resume the previously set vehicle speed.
- Depress the brake pedal when deceleration is required. Control by the ProPILOT Assist system is canceled. Push the RES+ switch to resume the previously set vehicle speed.

⚠WARNING

When the accelerator pedal is depressed and you are approaching the vehicle ahead, the ICC system will neither control the brake nor warn the driver with the chime and display. The driver must manually control the vehicle speed to maintain a safe distance to the vehicle ahead. Failure to do so could result in severe personal injury or death.

NOTE:

When you accelerate by depressing the accelerator pedal or decelerate by pushing the SET- switch and the vehicle travels faster than the speed set by the driver, the set speed vehicle indicator will blink.

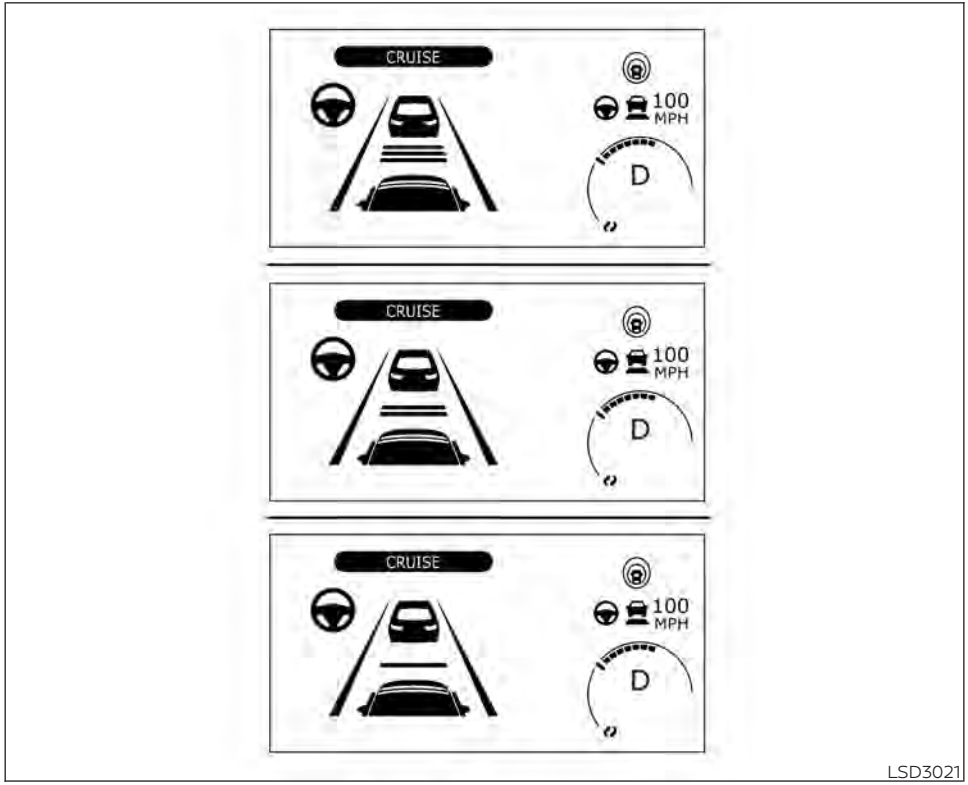


LSD3020

How to change the set distance to the vehicle ahead

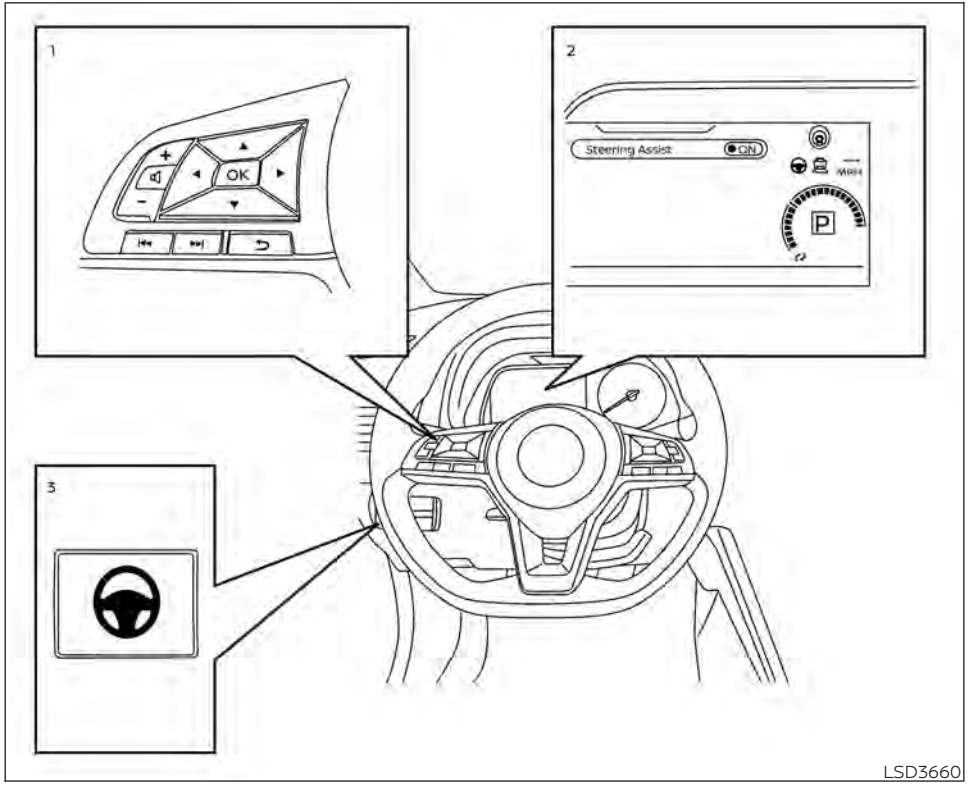
The distance to the vehicle ahead can be selected at any time.

Each time the DISTANCE switch Ⓐ is pushed, the set distance will change to long, middle, short and back to long again in that sequence.



	Distance	Approximate distance at 60 mph (97 km/h) [ft (m)]
1.	Long	200 (60)
2.	Middle	150 (45)
3.	Short	90 (30)

- The distance to the vehicle ahead changes automatically according to the vehicle speed. The higher the vehicle speed, the longer the distance.
- The distance setting will remain at the current setting even if the EV system is restarted.



HOW TO ENABLE/DISABLE THE STEERING ASSIST

1. Steering-wheel mounted control (right)
2. Vehicle information display
3. Steering Assist switch

Use the following methods to enable or disable the Steering Assist.

Steering Assist switch:

To turn the Steering Assist on or off, push the Steering Assist switch (3) on the instrument panel.

NOTE:

- **When the Steering Assist switch is used to turn the system on or off, the system remembers the setting even if the power switch is cycled. The switch must be pushed again to change the setting to on or off.**
- **The Steering Assist switch changes the status of the "Steering Assist" selection made in the "Settings" screen in the vehicle information display.**

Setting in the vehicle information display:

1. Press the ◀▶ button on the steering wheel (1) until "Settings" displays in the vehicle information display (2) and then press the OK button (1).
2. Use the ▲▼ button (1) to select "Driver Assistance." Then press the OK button (1).
3. Select "Steering Assist" and press the OK button (1).

NOTE:

- **When the Cruise screen is displayed on the vehicle information display, press the OK button on the steering wheel to call up the "Driver Assistance" setting display.**
- **When enabling/disabling the system through the vehicle information display or when pressing the Steering Assist switch, the system retains the current settings even if the EV system is restarted.**

How to cancel the ProPILOT Assist system

To cancel the ProPILOT Assist system, use one of the following methods:

- Push the CANCEL switch.
- Tap the brake pedal (except at a standstill).
- Push the ProPILOT Assist switch to turn the system off. The ProPILOT Assist status indicator will go out.

When the ProPILOT Assist system is canceled while the vehicle is stopped, the electronic parking brake is automatically activated.

⚠WARNING

To prevent the vehicle from moving or rolling unexpectedly, which could result in serious personal injury or property damage, before exiting the vehicle make sure to push the ProPILOT Assist switch to turn the system off, place the shift lever in the P (Park) position, and turn the EV system off.

INTELLIGENT CRUISE CONTROL (ICC) (for vehicles with ProPILOT Assist)

⚠WARNING

Failure to follow the warnings and instructions for proper use of the ICC system could result in serious injury or death.

- **The ICC system is only an aid to assist the driver and is not a collision warning or avoidance device. It is recommended for highway use only and it is not intended for city driving. It is the driver's responsibility to stay alert, drive safely, and be in control of the vehicle at all times.**
- **There are limitations to the ICC system capability. The ICC system does not function in all driving, traffic, weather, and road conditions. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.**
- **Always observe posted speed limits and do not set the speed over them.**
- **The ICC system does not react to stationary and slow moving vehicles.**

- **Always drive carefully and attentively when using the ICC system. Read and understand the Owner's Manual thoroughly before using the ICC system. To avoid serious injury or death, do not rely on the system to prevent accidents or to control the vehicle's speed in emergency situations. Do not use the ICC system except in appropriate road and traffic conditions.**

ICC system operation

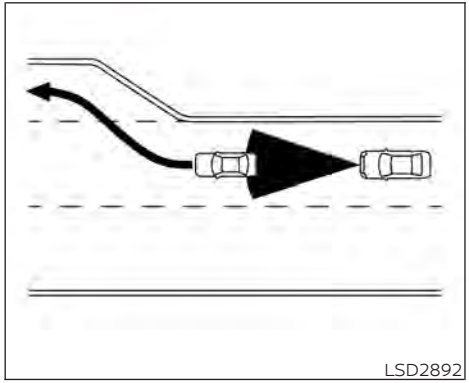
The ICC system is designed to maintain a selected distance from the vehicle in front of you and can reduce the speed to match a slower vehicle ahead. The system decelerates the vehicle as necessary and if the vehicle ahead comes to a stop, the vehicle decelerates to a standstill. However, the ICC system can only apply up to 40% of the vehicle's total braking power. This system should only be used when traffic conditions allow vehicle speeds to remain fairly constant or when vehicle speeds change gradually. If a vehicle moves into the traveling lane ahead or if a vehicle traveling ahead rapidly decelerates, the distance between vehicles may become closer because the ICC system cannot decelerate the vehicle quickly enough. If this occurs, the ICC system sounds a warning chime and blinks the system display to notify the driver to take necessary action.

The ICC system cancels and a warning chime sounds if the speed is below approximately 15 mph (24 km/h) and a vehicle is not detected ahead.

The ICC system operates as follows:

- When there are no vehicles traveling ahead, the ICC system maintains the speed set by the driver. The set speed range is between approximately 20 and 90 mph (32 and 144 km/h).
- When there is a vehicle traveling ahead, the ICC system adjusts the speed to maintain the distance, selected by the driver, from the vehicle ahead. If the vehicle ahead comes to a stop, the vehicle decelerates to a standstill. Once your vehicle stops, the ICC system keeps the vehicle stopped.
- When your vehicle is stopped for less than 3 seconds and the vehicle ahead begins to move, your vehicle will start moving again automatically.
- When your vehicle is at a standstill for more than 3 seconds and the vehicle ahead begins to accelerate, push the RES+ switch or lightly depress the accelerator pedal. The ICC system starts to follow the vehicle ahead.
- When the vehicle traveling ahead moves to a different traveling lane, the ICC system accelerates and maintains vehicle speed up to the set speed.

The ICC system does not control vehicle speed or warn you when you approach stationary and slow moving vehicles. You must pay attention to vehicle operation to maintain proper distance from vehicles ahead when approaching toll gates or traffic congestion.

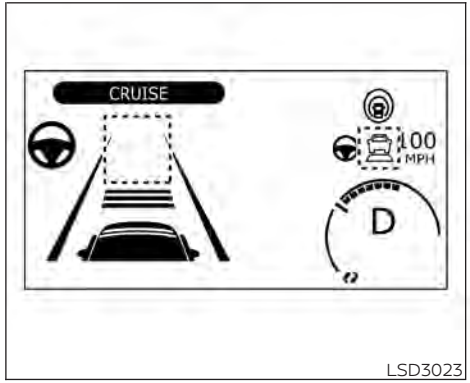

LSD2892

When driving on the freeway at a set speed and approaching a slower traveling vehicle ahead, the ICC system adjusts the speed to maintain the distance, selected by the driver, from the vehicle ahead. If the vehicle ahead changes lanes or exits the freeway, the ICC system accelerates and maintains the speed up to the set speed. Pay attention to the driving operation to maintain control of the vehicle as it accelerates to the set speed.

The vehicle may not maintain the set speed on winding or hilly roads. If this occurs, you will have to manually control the vehicle speed.

Normally when controlling the distance to a vehicle ahead, the system automatically accelerates or decelerates your vehicle according to the speed of the vehicle ahead.

Depress the accelerator to properly accelerate your vehicle when acceleration is required for a lane change. Depress the brake pedal when deceleration is required to maintain a safe distance to the vehicle ahead due to sudden braking or if a vehicle cuts in. Always stay alert when using the ICC system.

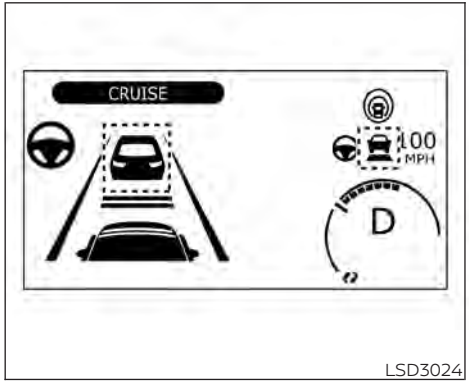


LSD3023

System set display with no vehicle detected ahead

No vehicle detected ahead

The driver sets the desired vehicle speed based on the road conditions. The ICC system maintains the set vehicle speed, similar to standard cruise control, as long as no vehicle is detected in the lane ahead. The ICC system displays the set speed.



System set display with vehicle ahead

Vehicle detected ahead

When a vehicle is detected in the lane ahead, the ICC system decelerates the vehicle by controlling the throttle and applying the brakes to match the speed of a slower vehicle ahead. The ICC system then controls the vehicle speed based on the speed of the vehicle ahead to maintain the driver selected distance.

NOTE:

- **The stop lights of the vehicle come on when braking is performed by the ICC system.**
- **When the brake is applied by the system, a noise may be heard. This is not a malfunction.**

When the ICC system detects a vehicle ahead, the vehicle ahead detection indicator and the speed control status indicator (distance control mode) illuminates (solid green).

Vehicle ahead stops

When the vehicle ahead decelerates to stop, your vehicle decelerates to a standstill. Once your vehicle stops, the ICC system automatically applies the brakes to keep the vehicle stopped. When your vehicle is at a standstill, the "(RES+) Press to start" message is displayed on the vehicle information display.

NOTE:

When your vehicle stops for less than 3 seconds, your vehicle will automatically follow the vehicle as it accelerates from a stop.

Vehicle ahead accelerates

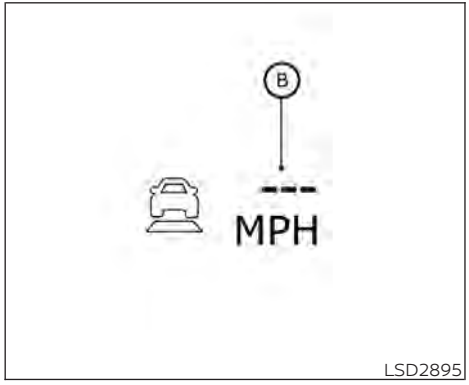
When your vehicle is stopped and the vehicle ahead begins to accelerate, push the RES+ switch or lightly depress the accelerator pedal. The ICC system starts to follow the vehicle ahead.

Vehicle ahead not detected

When a vehicle is no longer detected ahead, the ICC system gradually accelerates your vehicle to resume the previously set vehicle speed. The ICC system then maintains the set speed.

When a vehicle is no longer detected, the vehicle ahead detection indicator turns off and the speed control status indicator (maintain speed control mode) illuminates (green outline).

The ICC system gradually accelerates to the set speed, but you can depress the accelerator pedal to quickly accelerate. When a vehicle is no longer detected and your vehicle is traveling under approximately 15 mph (24 km/h), the ICC system automatically cancels.



LSD2895

When passing another vehicle, the set speed indicator Ⓑ flashes when the vehicle speed exceeds the set speed. The vehicle ahead detection indicator turns off when the area ahead of the vehicle is open. When the pedal is released, the vehicle returns to the previously set speed. Even though your vehicle speed is set in the ICC system, you can depress the accelerator pedal when it is necessary to accelerate your vehicle rapidly.

Cut-in detection

If a vehicle moves into your traveling lane near your vehicle, the ICC system may inform the driver by flashing the vehicle ahead detection indicator.

Approach warning

If your vehicle comes closer to the vehicle ahead due to rapid deceleration of that vehicle or if another vehicle cuts in, the system warns the driver with the chime and ICC system display. Decelerate by depressing the brake pedal to maintain a safe vehicle distance if:

- The chime sounds.
- The vehicle ahead detection indicator and set distance indicator blink.
- You judge it necessary to maintain a safe distance.

The warning chime may not sound in some cases when there is a short distance between vehicles. Some examples are:

- When the vehicles are traveling at the same speed and the distance between vehicles is not changing.
- When the vehicle ahead is traveling faster and the distance between vehicles is increasing.
- When a vehicle cuts in near your vehicle.

The warning chime will not sound when:

- Your vehicle approaches other vehicles that are parked or moving slowly.
- The accelerator pedal is depressed, overriding the system.

NOTE:

The approach warning chime may sound and the system display may flash when the radar sensor detects objects on the side of the vehicle or on the side of the road. This may cause the ICC system to decelerate or accelerate the vehicle. The radar sensor may detect these objects when the vehicle is driven on winding, narrow, or hilly roads or when the vehicle is entering or exiting a curve. In these cases, you will have to manually control the proper distance ahead of your vehicle.
Also, the sensor sensitivity can be affected by vehicle operation (steering maneuver or driving position in the lane) or traffic or vehicle conditions (for example, if a vehicle is being driven with some damage).

Acceleration when passing

When the ICC system is engaged above 43 mph and following a slower vehicle (below ICC set speed), and the turn signal is activated to the left, the ICC system will automatically start to accelerate the vehicle to help initiate passing on the left and will begin to reduce the distance to the vehicle directly ahead. Only the left side turn signal operates this feature. As the driver steers the vehicle and moves into the passing lane, if no vehicle is detected ahead the ICC system will continue to accelerate to the ICC system set speed. If another vehicle is detected ahead, then the vehicle will accelerate up to the following speed of that vehicle. If the vehicle is not steered into the left lane to pass, the acceleration will stop after a short time and regain the set following distance. Acceleration can be stopped at any point by depressing the brake pedal or the CANCEL switch on the steering wheel.

⚠WARNING

In order to reduce the risk of a collision that may result in serious injury or death, please be aware of the following:

- **This function is only activated with the left turn signal and will briefly accelerate the vehicle even if a lane change is not initiated. This can include non-passing situations such as left side exits.**
- **Ensure that when passing another vehicle, the adjacent lane is clear before initiating the pass. Sudden changes in traffic may occur while passing.**
  - **Always manually steer or brake as needed**
  - **Never solely rely on the system**

ICC system limitations

⚠WARNING

Listed below are the system limitations for the ICC system. Failure to operate the vehicle in accordance with these system limitations could result in serious injury or death:

- **The ICC system is primarily intended for use on straight, dry, open roads with light traffic. It is not advisable to use the ICC system in city traffic or congested areas.**
- **The ICC system will not adapt automatically to road conditions. This system should be used in evenly flowing traffic. Do not use the system on roads with sharp curves or on icy roads, in heavy rain or in fog.**

- **As there is a performance limit to the distance control function, never rely solely on the ICC system. This system does not correct careless, inattentive or absentminded driving or overcome poor visibility in rain, fog, or other bad weather. Decelerate the vehicle speed by depressing the brake pedal, depending on the distance to the vehicle ahead and the surrounding circumstances in order to maintain a safe distance between vehicles.**
- **When the ICC system automatically brings the car to a stop, your vehicle can automatically accelerate if the vehicle is stopped for less than approximately 3 seconds. Be prepared to stop your vehicle if necessary.**
- **Always pay attention to the operation of the vehicle and be ready to manually control the proper following distance. The ICC system may not be able to maintain the selected distance between vehicles (following distance) or selected vehicle speed under some circumstances.**

- **The system may not detect the vehicle in front of you in certain road or weather conditions. To avoid accidents, never use the ICC system under the following conditions:**
  - **On roads with heavy, high-speed traffic or sharp curves**
  - **On slippery road surfaces such as on ice or snow, etc.**
  - **During bad weather (rain, fog, snow, etc.)**
  - **When rain, snow or dirt adhere to the bumper around the distance sensor**
  - **On steep downhill roads (the vehicle may go beyond the set vehicle speed and frequent braking may result in overheating the brakes)**
  - **On repeated uphill and downhill roads**
  - **When traffic conditions make it difficult to keep a proper distance between vehicles because of frequent acceleration or deceleration**
  - **Interference by other radar sources**

- **Do not use the ICC system if you are towing a trailer. The system may not detect a vehicle ahead.**
- **In some road or traffic conditions, a vehicle or object can unexpectedly come into the sensor detection zone and cause automatic braking. Always stay alert and avoid using the ICC system where not recommended in this warning section.**

The ICC system will not detect the following objects:

- Stationary or slow moving vehicles
- Pedestrians or objects in the roadway
- Oncoming vehicles in the same lane
- Motorcycles traveling offset in the travel lane

The following are some conditions in which the radar sensor cannot properly detect a vehicle ahead and the system may not operate properly:

- When the sensor detection is reduced (conditions such as rain, snow, fog, dust storms, sandstorms, and road spray from other vehicles)
- Driving on a steep downhill slope or roads with sharp curves

- Driving on a bumpy road surface, such as an uneven dirt road
- If dirt, ice, snow or other material is covering the radar sensor area
- A complicated-shaped vehicle such as a car carrier trailer or flatbed truck/trailer is near the vehicle ahead
- Interference by other radar sources
- When your vehicle is towing a trailer, etc.
- When excessively heavy baggage is loaded in the rear seat or cargo area of your vehicle

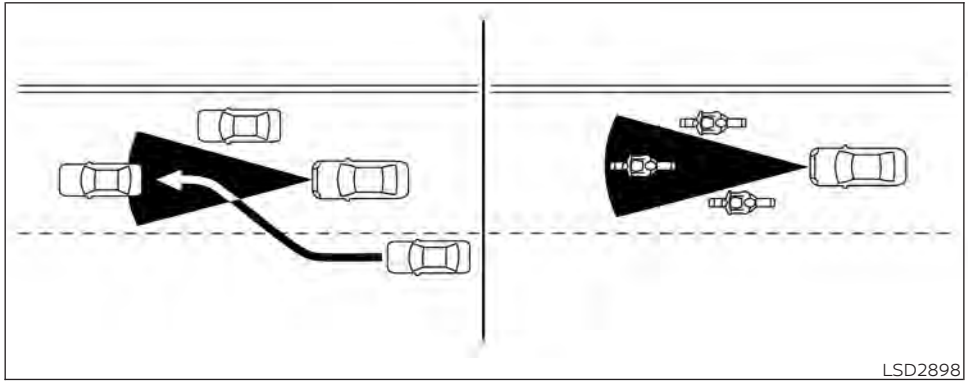
The ICC system is designed to automatically check the radar sensor's operation within the limitations of the system.

The detection zone of the radar sensor is limited. A vehicle ahead must be in the detection zone for the ICC system to maintain the selected distance from the vehicle ahead. A vehicle ahead may move outside of the detection zone due to its position within the same lane of travel. Motorcycles may not be detected in the same lane ahead if they are traveling offset from the center line of the lane. A vehicle that is entering the lane ahead may not be detected until the vehicle has completely moved into the lane.

If this occurs, the ICC system may warn you by blinking the system indicator and sounding the chime. The driver may have to manually control the proper distance away from the vehicle traveling ahead.

The ICC system (with ProPILOT Assist) uses a multi-sensing front camera. The following are some conditions in which the camera may not properly detect a vehicle and detection of a vehicle ahead may be delayed:

- Poor visibility (conditions such as rain, snow, fog, dust storms, sandstorms, and road spray from other vehicles)
- The camera area of the windshield is fogged up or covered with dirt, water drops, ice, snow, etc.
- Strong light (for example, sunlight or high beams from oncoming vehicles) enters the front camera
- A sudden change in brightness occurs (for example, when the vehicle enters or exits a tunnel or shaded area or lightning flashes)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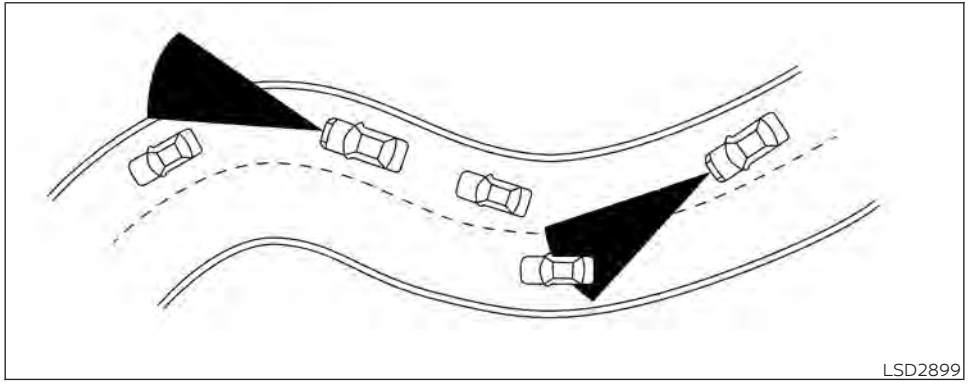
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When driving on some roads, such as winding, hilly, curved, narrow roads, or roads which are under construction, the radar sensor may detect vehicles in a different lane, or may temporarily not detect a vehicle traveling ahead. This may cause the radar system to decelerate or accelerate the vehicle.

The detection of vehicles may also be affected by vehicle operation (steering maneuver or traveling position in the lane, etc.) or vehicle condition.

If this occurs, the ICC system may warn you by blinking the system indicator and sounding the chime unexpectedly. You will have to manually control the proper distance away from the vehicle traveling ahead.

Automatic cancellation

The following are conditions in which the ICC system may be temporarily unavailable. In these instances, the ICC system may not cancel and may not be able to maintain the selected following distance from the vehicle ahead.

Condition A

Under the following conditions, the ICC system is automatically canceled. A chime will sound and the system will not be able to be set:

- Any door is open.
- The driver's seat belt is not fastened.
- The vehicle ahead is not detected and your vehicle is traveling below the speed of 15 mph (24 km/h).
- Your vehicle has been stopped by the ICC system for approximately 3 minutes or longer.
- The shift lever is not in the D (Drive) position or B mode.
- The electronic parking brake is applied.
- The Vehicle Dynamic Control (VDC) system is turned off.
- The Automatic Emergency Braking with Pedestrian Detection applies harder braking.
- VDC (including the traction control system) operates.
- A wheel slips.
- When distance measurement becomes impaired due to adhesion of dirt or obstruction to the sensor.

- When the radar signal is temporarily interrupted.

Action to take:

When the conditions listed above are no longer present, turn the system off using the ProPILOT Assist switch. Turn the ProPILOT Assist system back on to use the system.

NOTE:

When the ICC system is canceled under the following conditions at a standstill, the electronic parking brake is automatically activated:

- **Any door is open.**
- **The driver's seat belt is not fastened.**
- **Your vehicle has been stopped by the ICC system for approximately 3 minutes or longer.**
- **The shift lever is not in the D (Drive) position or B mode.**
- **The VDC system is turned off.**
- **When distance measurement becomes impaired due to adhesion of dirt or obstruction to the sensor.**
- **When the radar signal is temporarily interrupted.**

Condition B

When the radar sensor of the front bumper is covered with dirt or is obstructed, the ICC system will automatically be canceled.

The chime will sound and the "Not Available: Front Radar Blocked" warning message will appear in the vehicle information display.

Action to take:

If the warning message appears, stop the vehicle in a safe place, place the shift lever in the P (Park) position, and turn the EV system off. When the radar signal is temporarily interrupted, clean the sensor area of the front bumper and restart the EV system. If the "Not Available: Front Radar Blocked" warning message continues to be displayed, have the system checked. It is recommended that you visit a NISSAN certified LEAF dealer for this service.

Condition C

When driving on roads with limited road structures or buildings (for example, long bridges, deserts, snowfields, driving next to long walls), the system may illuminate the system warning light and display the "Not Available: Front Radar Blocked" message.

Action to take:

When the above driving conditions no longer exist, turn the system back on.

ICC system malfunction

If the ICC system malfunctions, it will be turned off automatically, a chime will sound, and the speed control status warning (orange) will illuminate.

Action to take:

If the warning light comes on, stop the vehicle in a safe place. Turn the EV system off, restart the EV system and set the ICC system again. If it is not possible to set the ICC system or the indicator stays on, it may be a malfunction. Although the normal driving can be continued, the ICC system should be inspected. It is recommended that you visit a NISSAN certified LEAF dealer for this service.

ICC sensor maintenance

The radar sensor is located on the front of the vehicle.

To keep the ICC system operating properly, be sure to observe the following:

- Always keep the sensor area clean.
- Do not strike or damage the areas around the sensor.
- Do not attach a sticker (including transparent material) or install an accessory near the sensor. This could cause failure or malfunction.
- Do not attach metallic objects near the sensor area (brush guard, etc.). This could cause failure or malfunction.
- Do not alter, remove, or paint the front bumper.

Before customizing or restoring the front bumper, it is recommended that you visit a NISSAN certified LEAF dealer.

The camera sensor is located above the inside mirror.

To keep the proper operation of the systems and prevent a system malfunction, be sure to observe the following:

- Always keep the windshield clean.
- Do not attach a sticker (including transparent material) or install an accessory near the camera unit.
- Do not place reflective materials, such as white paper or a mirror, on the instrument panel. The reflection of sunlight may adversely affect the camera unit's capability of detecting the lane markers.
- Do not strike or damage the areas around the camera unit. Do not touch the camera lens or remove the screw located on the camera unit.

If the camera unit is damaged due to an accident, it is recommended that you visit a NISSAN certified LEAF dealer.

STEERING ASSIST

⚠WARNING

Failure to follow the warnings and instructions for proper use of the Steering Assist could result in serious injury or death.

- **The Steering Assist is not a replacement for proper driving procedures and is not designed to correct careless, inattentive or absent-minded driving. The Steering Assist will not always steer the vehicle to keep it in the lane. It is not designed to prevent loss of control. It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times.**

- **As there is a performance limit to the Steering Assist's capability, never rely solely on the system. The Steering Assist does not function in all driving, traffic, weather, and road conditions. Always drive safely, pay attention to the operation of the vehicle, and manually control your vehicle appropriately.**
- **The Steering Assist is intended for use on well-developed freeways or highways with gentle (moderate) curves. To avoid risk of an accident, do not use this system on local or non-highway roads.**
- **The Steering Assist only steers the vehicle to maintain its position in the center of a lane. The vehicle will not steer to avoid objects in the road in front of the vehicle or to avoid a vehicle moving into your lane.**
- **It is the driver's responsibility to stay alert, drive safely, keep the vehicle in the traveling lane, and be in control of the vehicle at all times. Never take your hands off the steering wheel when driving. Always keep your hands on the steering wheel and drive your vehicle safely.**
- **Always drive carefully and attentively when using the Steering Assist. Read and understand the Owner's Manual thoroughly before using the Steering Assist. To avoid serious injury or death, do not rely on the system to prevent accidents or to control the vehicle's speed in emergency situations. Do not use the Steering Assist except in appropriate road and traffic conditions.**

Steering Assist operation

The Steering Assist controls the steering system to help keep your vehicle near the center of the lane when driving. The Steering Assist is combined with the Intelligent Cruise Control (ICC) system. For additional information, refer to "Intelligent Cruise Control (ICC) (with ProPILOT Assist)" in this section.

The Steering Assist can be activated when the following conditions are met:

- The ICC system is activated.
- Lane markers on both sides are clearly detected.
- A vehicle ahead is detected (when the vehicle is driven at speeds under 37 mph [60 km/h]).
- The driver grips the steering wheel.
- The vehicle is driven at the center of the lane.
- The turn signals are not operated.
- The windshield wiper is not operated in the high (HI) speed operation (the steering assist function is disabled after the wiper operates for approximately 10 seconds).