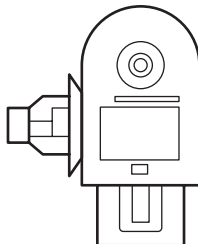


Clearance Warning Buzzer

- The clearance warning buzzer is mounted on the left instrument panel brace.
- The buzzer sounds under the control of the clearance warning ECU.



A4270397B

Specification

Drive frequency [kHz]	2.4±0.1
Sound pressure [dB]	70±10

Handling Precautions

- The detection areas of the LEXUS Parking Assist-sensor(steering-guided) are limited to the areas around the front and rear bumpers. Before driving the vehicle forward or backward, make sure to check the area surrounding the vehicle for safety, and drive slowly.
- If a strong impact is applied to a sensor by striking it or hitting it with an object, it might not detect properly.
- Sensors do not detect objects in the area directly below the bumper. Also, if an object is placed lower than the sensors, or a thin pole, the sensors might suddenly fail to detect after the vehicle approaches the object, even if they have detected it once.
- If an object is too close to a sensor, the sensor might stop detecting it.
- If an accessory such as a fender pole or a wireless antenna is placed in a detection area of a sensor, the sensor might detect that accessory as an obstacle.

- If the display shows a sensor failure, the sensors might be covered with water, mud, or snow. Therefore, check the condition of the sensors. If the display shows a sensor failure even if the sensors are not covered with mud or snow, the sensors may be malfunctioning. In this case, have the system inspected at a dealer.
- The detection function may not operate properly under the following conditions:

- When the detection portion becomes frozen (the function returns to normal after it is defrosted). Particularly at low temperatures when the components are frozen, the display could show a malfunction and the system might not properly detect even if an obstacle is present.
- When the sensors are covered with foreign matter such as snow or mud.
- When the sensors are covered by a hand, and covered with foreign matter such as snow or mud (the function returns to normal after these are removed).
- When the vehicle posture tilts significantly.
- When the vehicle is operated under a scorching sun or in a freezing climate.
- When the vehicle is being driven on a bumpy road, gravel road, sloping road, or on grass.
- Another vehicle equipped with a sonar system is approaching.
- When the sound of horns from other vehicles, the sound of a motorcycle engine, the sound of air brakes of a large truck, or an object that generates ultrasonic waves is in the vicinity.
- When there is a downpour or water is splashing on the vehicle.
- A towing hook is attached to the vehicle.
- When the sensors are covered with mud, ice or snow.
- When the vehicle travels in the direction of a tall curb or a square curb.

- The steering sensing function may not operate correctly under the following conditions:

- Non-standard size tires are installed.
- The neutral point of the steering is not correctly set (this must be set in the customizable mode).

- The clearance sonar can be used in the normal mode* under the following conditions:

❖ REFERENCE ❖

* : The tire mark disappears at this time.

- A failure in any one of the sensors is detected.
- Any one of the steering sensors is malfunctioning.
- The steering sensor signal cannot be received properly.
- Accurate steering angle information cannot be obtained due to a considerable drop in battery voltage or a failure in the steering angle sensor.
- Proper steering detection (going straight) can not be detected.

❖ REFERENCE ❖

- When the system returns to normal, the steering guidance also comes back automatically.
- The steering guidance also comes back automatically after the neutral point of the steering sensor calibration is completed.

- The system may not be able to detect the following items:

- Thin objects such as wire or rope.
- Objects that absorb sound waves such as sponge, snow or cotton.
- Objects that have sharp edges.
- Objects that are short in height.
- Objects that are tall and protrude at the top.