■ HANDLING PRECAUTIONS

The detection function of this system may not operate properly in the following conditions given:

- When ice, snow or mud gets on the sensors. If removed, the system will work properly.
- When the sensor is frozen. If defrosted, the system will work properly.
- When the sensor is covered with something. If removed, the system will work properly.
- When the bumper is damaged.

In the following conditions, the detection range may be affected:

- Foreign matter such as snowflakes or mud gets on the sensor.
- When the vehicle is operated under a scorching sun or in a freezing climate.

The system could detect improperly in the following conditions:

- When the vehicle is being driven on bumpy road, gravel road, or on grass.
- When the sound of horns from other vehicles, the sound of a motorcycle engine, the sound of air brakes of large truck, on an object that generates ultrasonic waves is in the vicinity.
- When there is a downpour or water is splashing on the vehicle.
- When the vehicle posture tilt significantly.
- When the sensors are covered with mud, ice, or snow.
- When the sensors are covered with water or steam in the high pressure car wash.
- When the vehicle travels in the direction of a tall curb or square curb
- When vehicles with sonar are in near.
- When towing hitch mounted vehicle.
- When the antenna for transceiver mounted vehicle, or vehicles with it are in near.

There are cases in which the objects listed below cannot be detected:

- Thin objects such as wire or rope.
- Objects that absorb sound waves such as cotton or snow.
- Objects that have sharp edges.
- Objects that are short in height.
- Objects that are tall and protrude at the top.
- Objects that are long and slender around the front center of the vehicle*.

*: Only for front corner sensors.

Other

- Objects directly underneath the bumpers cannot be detected. Even if objects that are located lower than the sensors or thin stakes are detected once, they might not be detected after the vehicle comes closer to those objects.
- Beware that the detection range of this system is limited to the area before or behind the vehicle, and objects might not be detected under some conditions. Furthermore, make sure to check the area before or behind the vehicle during operation.
- If an obstacle comes too close to the ultrasonic sensor, there is a case where the sensor will not detect.
- In case of giving a strong impact to the ultrasonic sensor such as hitting strongly or throwing, there is a case where the sensor will not detect normally.