■SYSTEM OPERATION

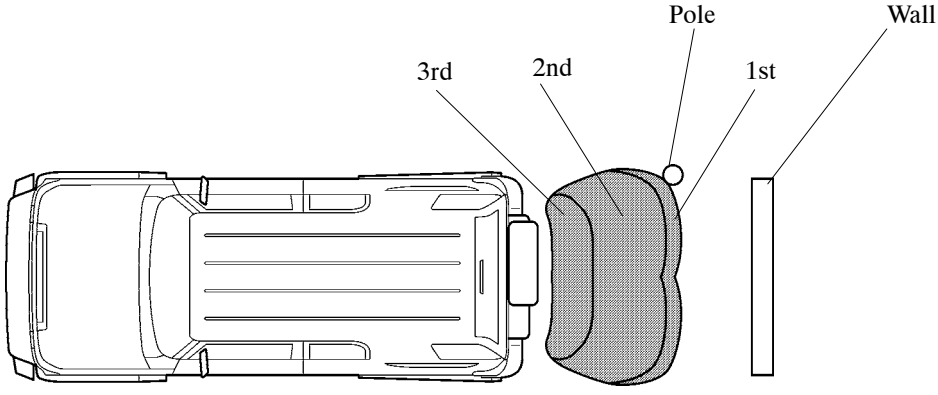
1. Detection Activation

The ON/OFF times of the clearance warning buzzer vary in accordance with the distance to the obstacle as given in the following table:

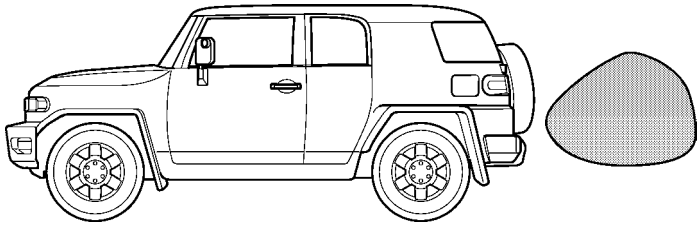
Detection Level	Obstacle Distance [cm (in.)]	OFF Time (ms)	ON Time (ms)
1st	Approx. 100 (39.4) to 150 (59.1) *	225	75
2nd	Approx. 50 (19.7) to 100 (39.4)	75	75
3rd	Approx. 50 (19.7) or less	0	Continuous

*: The maximum detection range will vary depending on the type of obstacles:
- The maximum detection range will be 150 cm (59.1 in.) for large obstacles such as a wall.
- The maximum detection range will be 110 cm (43.3 in.) for obstacles such as a pole.

▶ Detection Range ◀



0240BE38C



0240BE39C

2. Initial Check (Self-Diagnosis)

After the clearance sonar system has started its activation, sounds the clearance warning buzzer for about 1 second, while checking for any malfunction in the ultrasonic sensors.
If the system cannot activate its detection function due to a malfunction in an ultrasonic sensor, it alerts the driver of the malfunction by the sounding the buzzer. For details, refer to the 2007 FJ Cruiser Repair Manual (Pub. No. RM0240U).