■SYSTEM OPERATION

1. Detection Activation

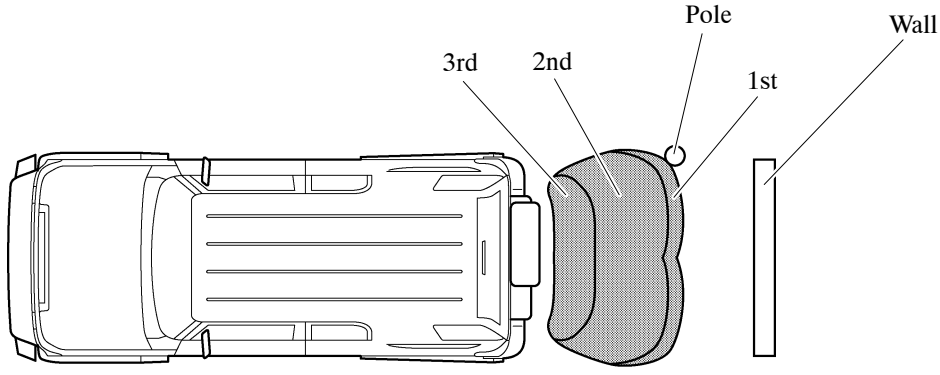
The ON/OFF times of the clearance warning buzzer vary in accordance with the distance to the obstacle as given in the following table:

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

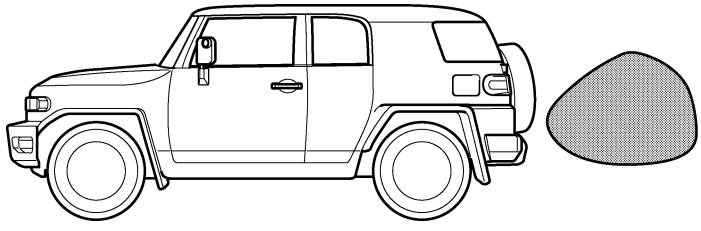
*1: The detection range will vary depending on the type of obstacles:
- The detection range will be 150 cm (59.1 in.) for large obstacles such as a wall.
- The detection range will be 110 cm (43.3 in.) for obstacles such as a pole of diameter 60 mm.

*2: Models for Middle East and General Countries *3: Models for China

▶ Detection Range ◀



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2. Initial Check

After the TOYOTA parking assist-sensor system has started its activation, it sounds the clearance warning buzzer for about 1 second, while checking for any malfunction in the ultrasonic sensors.

- When all of the following operation conditions are met, the initial check will activate.

Destination	Operation Condition
Middle East and General Countries	• Ignition switch is on. • Back sonar switch is on. • Shift lever is in R position.
China	• Ignition switch is on. • Back sonar switch is on.

If the system cannot activate its detection function due to a malfunction in an ultrasonic sensor, it alerts the driver of the malfunction by sounding the buzzer. For details, see the FJ CRUISER Repair Manual (Pub. No. RM07D1E).