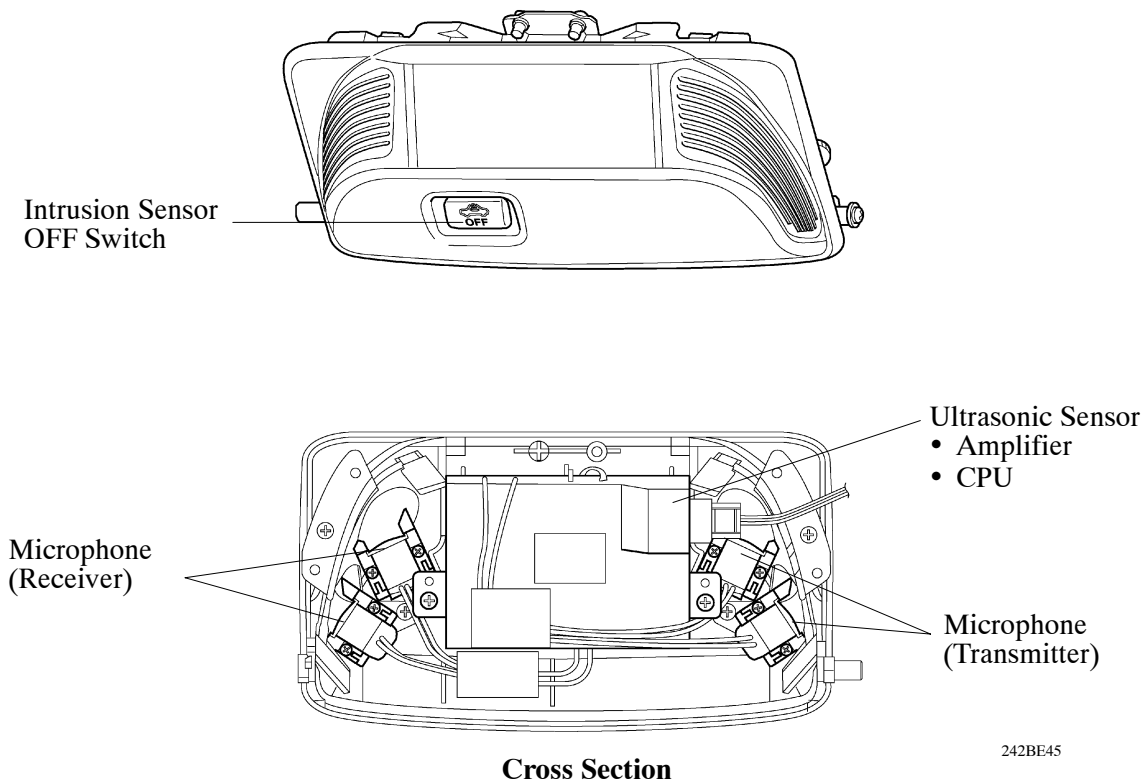


■ CONSTRUCTION AND OPERATION

1. Intrusion Sensor

General

- An intrusion sensor is provided in the front interior light located in the front of the vehicle interior.
- Intrusion sensor consists of intrusion sensor OFF switch, 4 microphone (transmitter and receiver) and ultrasonic sensor (amplifier and CPU). In this sensor, the ultrasonic waves are output by the transmitter microphone and input by the receiver microphone. The CPU determines that an intrusion has taken place by detecting the changes in the ultrasonic waves that have been amplified by the amplifier.



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Operation

- The theft deterrent ECU activates the intrusion sensor when the system changes from the disarmed state to the armed preparation state. If an intrusion detection signal is input from the intrusion sensor during the armed state, the ECU changes to the alarm state in order to output an alarm.
- When the system is in the disarmed state, the function of the intrusion sensor can be disabled by pressing the intrusion sensor OFF switch. If the system changes from this state to the armed preparation state, the intrusion sensor will not activate. This function is canceled each time all doors are unlocked with a transmitter, and is reinstated when the intrusion sensor is ON.

2. Self-Power Siren

During a normal operation, this siren sounds an alarm in accordance with the operation signal from the body ECU. Because this siren has an internal battery, it can independently sound an alarm even if the vehicle's battery terminals are disconnected or if the wiring harnesses that are related to the system are cut.