

INTRUDER SENSOR

id091400003500

Purpose

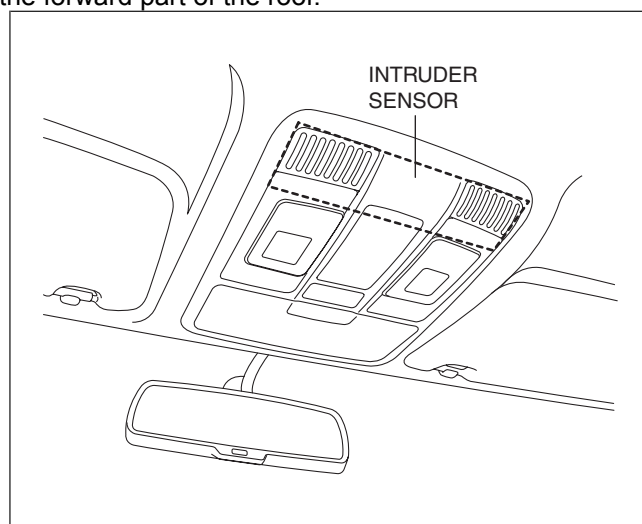
- A cabin intrusion is detected.

Function

- The intruder sensor detects movement in the vehicle by ultrasonic waves and sends the detection signal to the rear body control module (RBCM).

Construction

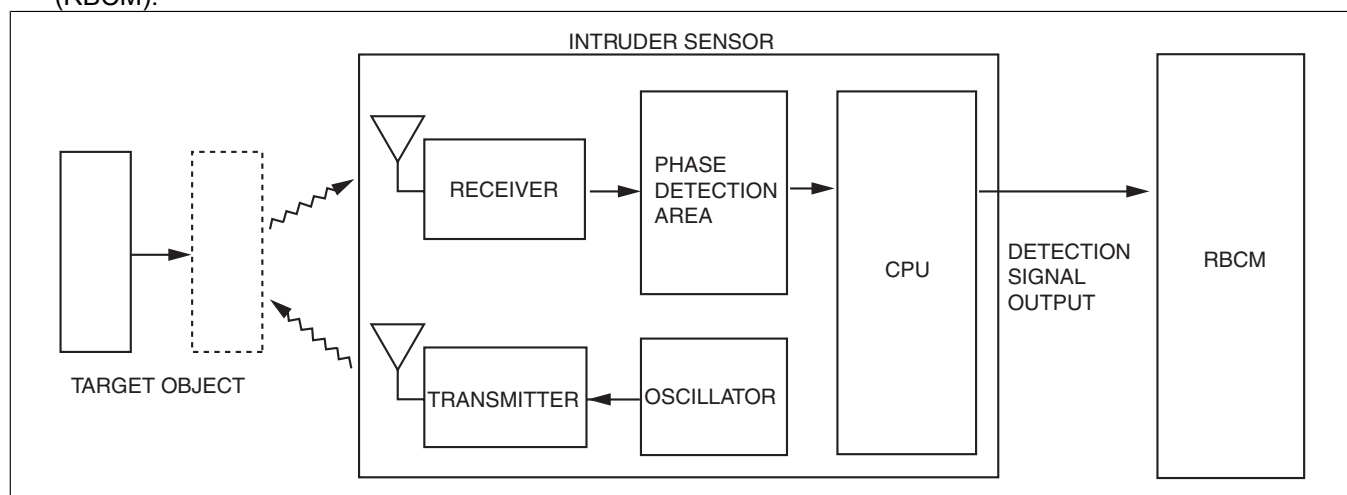
- The intruder sensor is located in center part of the roof the forward part of the roof.



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Operation

1. When the theft-deterrent system is armed, the intruder sensor outputs ultrasonic waves in the passenger compartment. The intruder sensor detects differences in the ultrasonic waves (reflected waves) that are output and bounced off a target object.
2. When a difference in reflected waves occurs by movement in the vehicle (intruder), the CPU calculates the level of difference.
3. If the differences meet certain criteria, the intruder sensor sends a detection signal to the rear body control module (RBCM).



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Fail-safe

- Function not equipped.