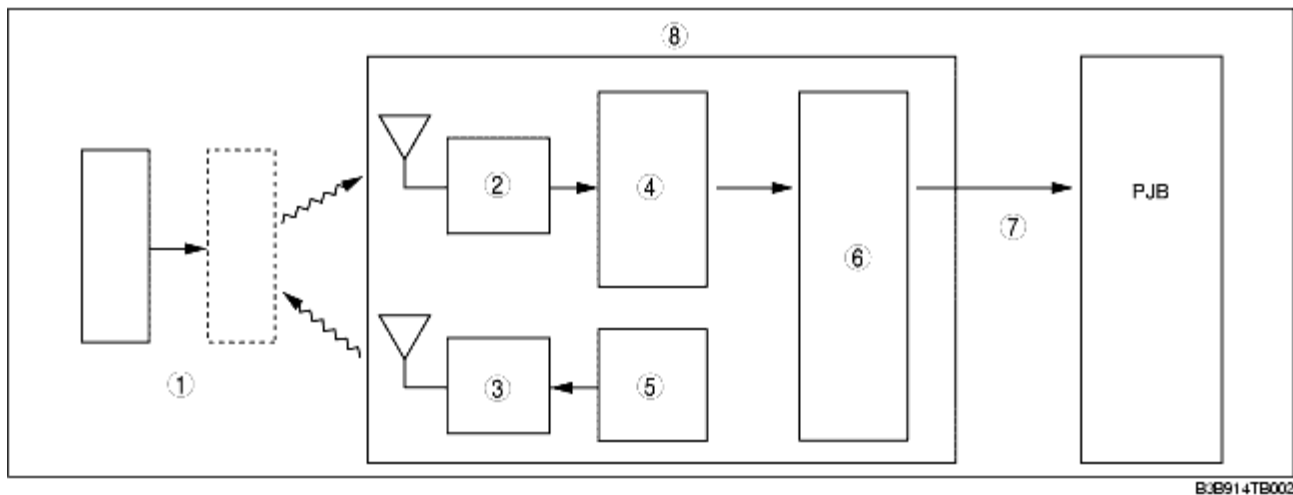


INTRUDER SENSOR CONSTRUCTION/OPERATION

B3E091450000T04

Operation

1. When the theft-deterrent system is armed, the intruder sensor outputs a 2.45 GHz radio wave in the passenger compartment. The intruder sensor detects phase differences in radio waves (reflected waves) that are output and bounced off a target object.
2. When a phase difference in reflected waves occurs due to movement in the vehicle (intruder), the CPU calculates the level of phase difference.
3. If the level of phase difference is more than specified, the intruder sensor sends a detection signal to the PJB.



1	Target object
2	Receiver
3	Transmitter
4	Phase detection area
5	Oscillator
6	CPU
7	Detection signal output
8	Intruder sensor