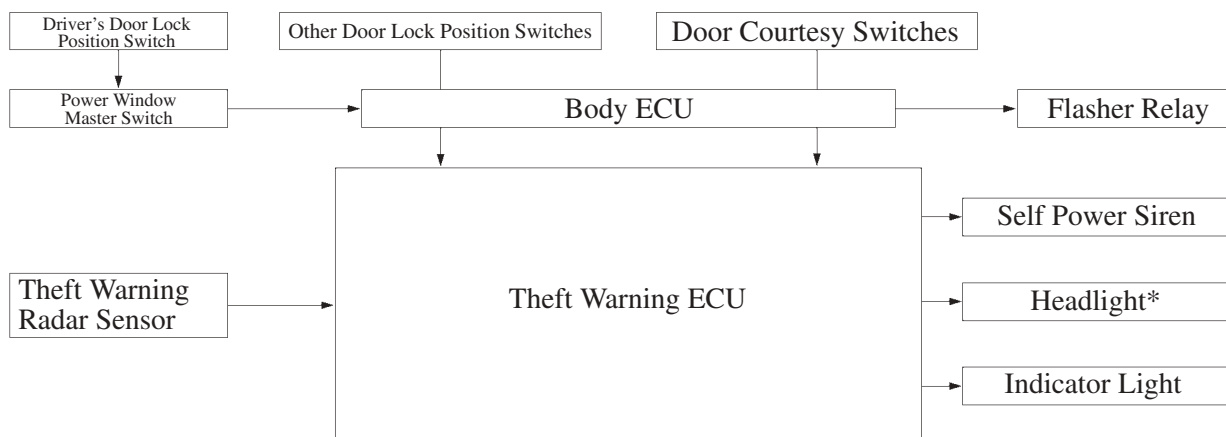


THEFT DETERRENT SYSTEM

1.Description

- The function to flash the headlights (only models for Australia) and the turn signal lights has been added to the alarm that is executed when the theft deterrent system detects that the doors, hood, or trunk lid has been forcibly opened.
- The basic construction and operation are the same as in the current LS400.
However, in addition to the conventional theft deterrent system, this system has adopted a microwave (radar) sensor and a self-powered siren for improved theft deterrence performance in case an attempt is made to enter the vehicle by breaking a window glass.
If this system operates, the self-powered siren sounds in stead of the horn.
- This system is standard equipment on RHD models.

2.System Diagram

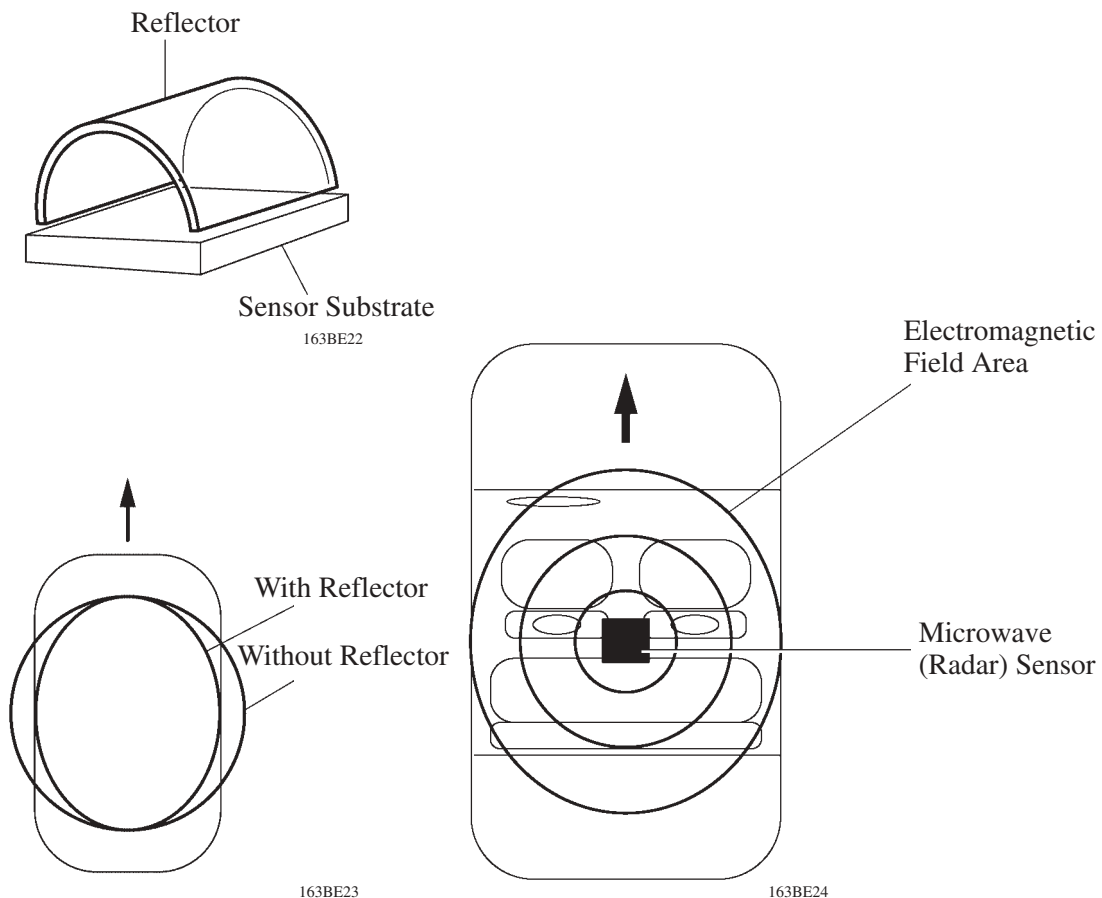


*: Only Models for Australia

3. Construction and operation

Microwave (Radar) Sensor

- A sensor substrate is provided in the dome light located in the center of the vehicle interior.
- To prevent unintentional activation of the system from sources outside of the vehicle, a metal reflector is provided on the sensor substrate to contain the microwave within the vehicle interior, thus preventing the microwave from leaking out through the windows.
- If an attempt is made to enter the vehicle by breaking a window glass, this system detects that action through the changes that occur in the electromagnetic field and sounds the alarm.



Self Power Siren

- The self-powered siren has a built-in battery so that it can sound an alarm even if the vehicle's battery has been detached or the power supply line has been cut while setting the theft deterrent mode.
- Due to the function of the theft warning ECU, the power siren itself can determine whether the system is in "setting the theft deterrent mode" or "unsetting the theft deterrent mode". Therefore, the siren will not sound if the battery is detached or a wire is cut off in "unsetting the theft deterrent mode".
- To prevent access from the outside of the vehicle, the siren is located inside the luggage compartment (roof side inner RH).

Operating Verification Function

After the transmitter's lock switch is pressed to set the theft deterrent system and the system transfers to the alert preparation state, the turn signal light flashes once for operation verification. When the transmitter's unlock switch is pressed to unset the theft deterrent system, the turn signal light flashes twice for operation verification.

The basic operation of this function is the same as in the operation verification function of the wireless door lock remote control system.