

ZOOM-ZOOM

See the unexpected... prevent the unexpected.

The Blind Spot Monitoring (BSM) system is designed to assist the driver by monitoring the detection areas on both sides of the vehicle to the rear. BSM will alert the driver to possible vehicles in these areas in certain situations such as when changing lanes on roads and freeways.

Names and Functions



- 1 BSM Warning Light** – Illuminates on start up and when an object has been detected within the detection area on that side of the vehicle. Flashes when turn signal lever is operated and an object has been detected.
- 2 BSM Warning Beep** – Operates when turn signal lever is operated to side corresponding with illuminated BSM warning light.
- 3 BSM OFF Indicator Light** – Displays status of the BSM system. Light will illuminate on startup and when BSM is deactivated by pressing BSM OFF switch. Light will flash if there is a malfunction of the BSM system.
- 4 BSM OFF Switch** – Used to manually deactivate the BSM system.

NOTE: If the BSM is deactivated using the "BSM OFF switch", BSM will activate again if ignition is turned off and then turned on, or if the "BSM OFF switch" is pressed again.

- 5 BSM Radar Sensors** – Located inside the rear bumper on each side to detect objects.



Quick System Guide

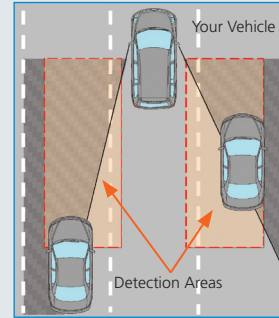
(For complete operating instructions,
please see your owner's manual)

BSM Overview

The BSM system monitors the detection areas on both sides of the vehicle to the rear when vehicle speed is about 20 mph (32 km/h) or greater. The BSM system notifies the driver of vehicles in the detection areas by illuminating the BSM warning light located in the mirror. If the turn signal lever is operated in the direction the BSM warning light is illuminated, the warning light will flash and the system will also warn the driver of the vehicle in the detection area with a beep sound.

BSM Operation Conditions

- Ignition is ON.
- Your vehicle speed is approximately 20 mph or greater.
- System is not deactivated. ("BSM OFF" lamp is not illuminated).
 - * When ignition is turned on, BSM automatically turns on
- Shift position is other than reverse position.
 - * If shift position is in reverse position, warning is automatically cancelled.



Deactivation of BSM

- To deactivate BSM operation, press the "BSM OFF switch". Radar output and warning is cancelled and the "BSM OFF" Indicator Light illuminates.
 - * BSM will activate again if ignition is turned off and then turned on, or if the "BSM OFF switch" is pressed again.
- If the system detects a malfunction, it automatically deactivates BSM operation and "BSM OFF" light flashes.

Customizable Features

The system can be customized so that the BSM warning beep does not operate when the turn signal lever is operated. Consult an Authorized Mazda Dealer.

! WARNING

Do not rely completely on the BSM system and be sure to look over your shoulder before changing lanes:

The BSM system can assist the driver in confirming the safety of the surroundings but is not a complete substitute. The driver is responsible for assuring lane changes and other maneuvers. Always pay attention to the direction in which the vehicle is traveling and the vehicle's surroundings.

The BSM system does not operate when the vehicle speed is lower than about 20 mph (32 km/h).

See "BSM Precautions" for additional safety items



BSM Precautions

- The system may not operate normally when towing a trailer. Turn off the system by operating the BSM OFF switch when towing a trailer.
- The radar sensors do not detect human, animal, or static objects such as fences. In addition, the system pauses when the selector lever is shifted to the R position. (The system resumes automatically when the selector lever is shifted from the R position.)
- The detectability of the radar sensors has its limitations. The BSM system may not operate properly under the following conditions:
 - Ice, snow, or soil adheres to the rear bumper surface around the radar sensors.
 - During adverse weather conditions such as rain or snow, or under conditions where water is sprayed.
 - The rear bumper area around the radar sensors is blocked by foreign material (such as stickers or a bicycle carrier).
- The radar sensors may not detect all types of vehicles around your vehicle, especially the following types of vehicles:
 - Motorcycles.
 - Vehicles with body shapes that radar may not reflect such as a flatbed trailer with no cargo.
 - Vehicles with lower body height such as sports cars.
- Have the radar sensors inspected at an Authorized Mazda Dealer if any shock is applied to the rear bumper, even in a minor accident. If the vehicle is driven with a damaged radar sensor, the system may not operate properly resulting in an accident.
- For repairs or paint work around the radar sensors, or replacement of the bumper, consult an Authorized Mazda Dealer.
- The following conditions may affect the visibility of the BSM warning lights on the outside mirror, making it difficult to confirm the illumination of the lights:
 - Ice or snow adheres to the surface of the outside mirrors.
 - The door window glass is darkened.

BSM Precautions

- The radar sensors of the BSM system may be regulated under the radio wave related laws of the country where the vehicle is driven. The sensors in this system are approved for use in the U.S.A. (including territories), Canada, and Mexico. If a vehicle with BSM system is driven in a country other than the U.S.A., Canada, or Mexico, the system has to be turned off using the BSM OFF switch.
- The detection area of the system has been determined based on the lane width of general freeways. Therefore on a road with a narrower lane width, the system may detect vehicles on a lane next to the adjacent lane and operate the warning light/beep. On a road with wider lane width, the system may not detect vehicles on the adjacent lane and may not operate the warning light/beep.
- Operation of the warning light/beep may be delayed or the system may not operate the warning light/beep under the following conditions:
 - The vehicle accelerates from a standing-start with a vehicle alongside
 - A vehicle moves from a lane two lanes over to the adjacent lane.
 - The difference in vehicle speed between your vehicle and another vehicle is larger when passing or being passed, and the vehicle passes the detection area within a short period of time.
 - On a steep incline, or when there is a difference in height between lanes.
 - Immediately after the system has been activated by pressing the BSM OFF switch again after it has been turned off (BSM OFF indicator light in instrument panel illuminates) by pressing the switch.
- Although the system may detect objects on the road side such as parked vehicles or guardrails and operate the warning light/beep, it does not indicate a malfunction.
- If the vehicle is driven on a road with less traffic and few vehicles that the radar sensors can detect, the system may pause (The BSM OFF indicator light in the instrument panel flashes). However, it does not indicate a malfunction.

Mazda CX-9 Blind Spot Monitoring System



INFORMATION AND QUICK START GUIDE

