

## BLIND SPOT MONITORING (BSM) CONTROL MODULE

id092200027400

### Purpose

- Controls the blind spot monitoring (BSM) system.

### Function

- The BSM control module emits microwaves to detect an oncoming vehicle's position and speed information via the reflected microwaves.
- The BSM system is controlled based on the detected vehicle position and speed information.
- A self-diagnostic function has been adopted.

### Construction

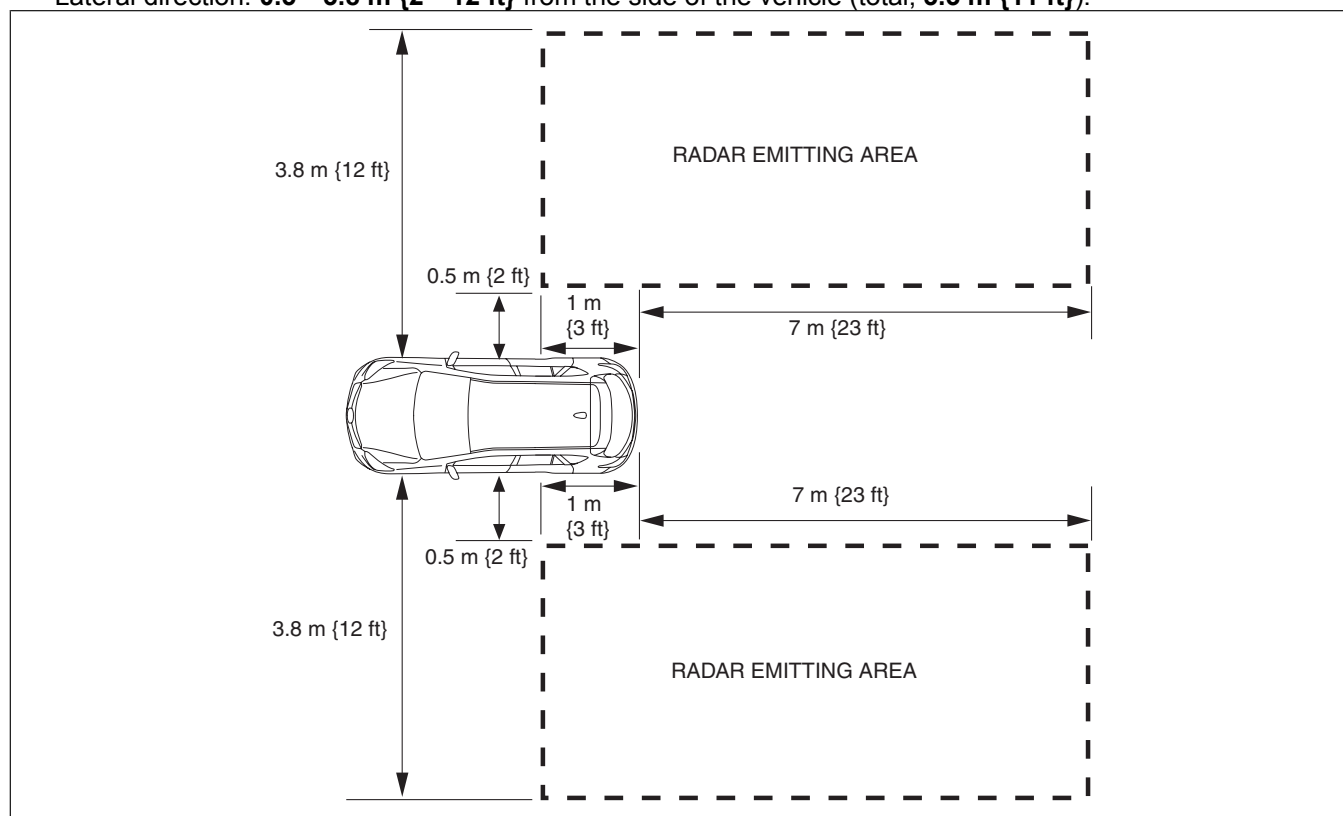
- The BSM control module and radar have been integrated.
- Microwaves are emitted from the radar.
- Two control modules are positioned on the left and right sides of the body inside the rear bumper.

### Operation

- The BSM control module emits microwaves to the vehicle rear to detect the obstruction via the reflected microwaves.

### Radar Emitting Area

- Cross-directional: **1 m {3 ft}** toward the front of the vehicle, and **7 m {23 ft}** toward the rear of the vehicle from the rear end of the vehicle (total, **8 m {26 ft}**).
- Lateral direction: **0.5—3.8 m {2—12 ft}** from the side of the vehicle (total, **3.3 m {11 ft}**).



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- When the vehicle is cornering, such as turning into an intersection, the shape of the warning area on the inner side changes.
  - Cross-directional: Length of the vehicle rear changes depending on the steering angle.
  - Lateral direction: Angle of the warning area changes along the vehicle's turning orbit.

### Fail-safe

DTC No.	Fail-safe function
B118C:11	BSM is stopped.
B118C:15	BSM is stopped.
B118D:11	BSM is stopped.
B118D:15	BSM is stopped.
U0001:88	BSM is stopped.

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DTC No.	Fail-safe function
U0100:00	BSM is stopped.
U0131:00	BSM is stopped.
U0155:00	BSM is stopped.
U0214:00	BSM is stopped.
U0232:00	BSM is stopped.
U0233:00	BSM is stopped.
U0401:68	BSM is stopped.
U0420:68	BSM is stopped.
U0423:68	BSM is stopped.
U0515:68	BSM is stopped.
U0533:68	BSM is stopped.
U0534:68	BSM is stopped.
U3000:01	BSM is stopped.
U3000:09	BSM is stopped.
U3000:4A	Not equipped.
U3000:97	Not equipped.
U3003:16	BSM is stopped.
U3003:17	BSM is stopped.