

# Blind spot monitoring

## BLIND SPOT MONITOR

### **⚠ WARNING**

The Blind Spot Monitor (BSM) system is a supplement to, not a replacement for, a safe driving style and use of the exterior and rear-view mirrors. The system may not function under all speeds, weather and road conditions.

Please note that the BSM may not be able to give adequate warning of vehicles approaching very quickly from behind or vehicles that being overtaken rapidly.

BSM may not be able to detect all vehicles and may also detect objects, such as roadside barriers, etc. Drive safely at all times and use the exterior and rear view mirrors to avoid accidents.

### **⚠ WARNING**

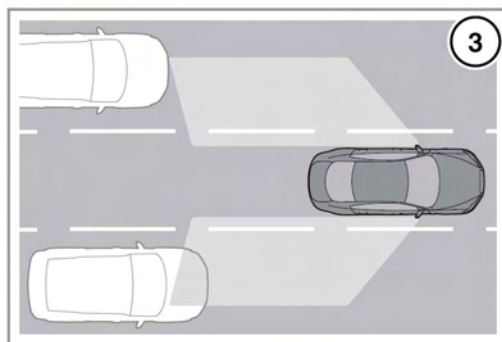
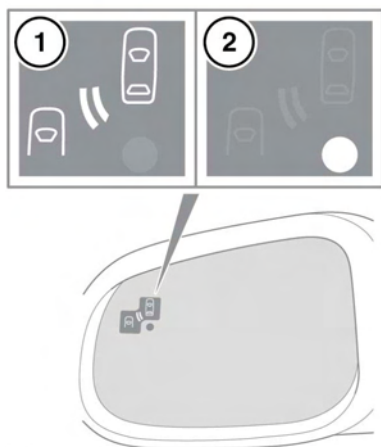
The radar sensors may be impaired by rain, snow or road spray. This may affect the system's ability to reliably detect a vehicle/object within the blind spot.

The driver should not assume that the BSM will correct errors of judgement in driving.

### **NOTICE**

Do not attach stickers or objects to the rear bumpers, that may interfere with the radar sensors.

**Note:** Ensure that the warning indicators in the exterior mirrors are not obscured by stickers or other objects.



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The Blind Spot Monitor (BSM) system monitors a zone that covers the area adjacent to the vehicle, that is not easily visible by the driver and is designed to identify any object overtaking the vehicle (3).

The system uses a radar on each side of the vehicle to identify any overtaking vehicle/object within the blind spot area of the vehicle, while disregarding other objects which may be stationary or travelling in the opposite direction, etc.

If an object is identified by the system as being an overtaking vehicle/object, an amber warning icon (1) illuminates in the relevant exterior mirror, to alert the driver that there is a potential hazard in the vehicle's blind spot and therefore, that a lane change might be dangerous.

The radar monitors the area extending from the exterior mirror rearwards, to approximately 20 feet (6 metres) behind the rear wheels, and up to 8.2 feet (2.5 metres) from the side of the vehicle (the width of a typical highway lane).

**Note:** *The system covers an area of a fixed lane width. If the lanes are narrower than a typical highway lane, objects travelling in non-adjacent lanes may be detected.*

BSM automatically switches on and becomes active when the vehicle is travelling at more than 6 mph (10 km/h) in a forward gear. When the system initiates, it performs a self-check, during which the warning icons in the mirrors illuminate alternately for a short period of time.

The indicator dot (2) remains illuminated until forward vehicle speed exceeds 6 mph (10 km/h).

**Note:** *BSM is automatically turned off when reverse (R) gear is selected, when the vehicle is in park (P), or the vehicle is travelling below 10 mph (16 km/h). Under these conditions, an amber warning indicator within the exterior mirror is displayed, providing that the vehicle is not fitted with Reverse traffic detection. See 120, REVERSE TRAFFIC DETECTION.*

BSM can be enabled or disabled through the Instrument panel menu. See 73, INSTRUMENT PANEL MENU.

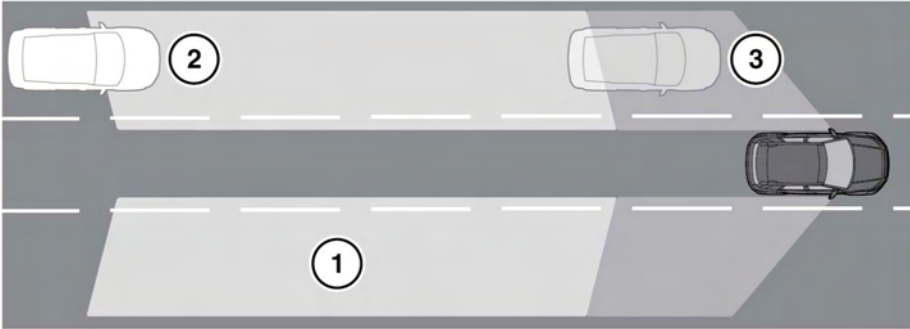
BSM is designed to work most effectively when driving on multi-lane highways.

**Note:** *If an overtaking vehicle is detected on both sides of the vehicle simultaneously, the warning icons in both mirrors will illuminate.*

**Note:** *BSM is disabled when a trailer is attached.*

# Blind spot monitoring

## CLOSING VEHICLE DETECTION



E138437

### **⚠️ WARNING**

The closing vehicle detection system is a supplement to, not a replacement for, a safe driving style and use of the exterior and rear-view mirrors. The system may not function under all speeds, weather and road conditions. Drive safely at all times and use the exterior and rear view mirrors to avoid accidents.

### **⚠️ WARNING**

The radar sensors may be impaired by rain, snow or road spray. This may affect the system's ability to reliably detect an approaching vehicle.

The driver should not assume that the closing vehicle detection system will correct errors of judgement in driving.

### **NOTICE**

Do not attach stickers or objects to the rear bumpers, that may interfere with the radar sensors.

**Note:** Ensure that the warning indicators in the exterior mirrors are not obscured by stickers or other objects.

In addition to the functionality provided by the Blind Spot Monitor, the closing vehicle detection system monitors a larger area behind the vehicle (1). If a vehicle is identified by the system as being a rapidly approaching vehicle (2), the amber warning icon will repeatedly illuminate in the relevant mirror to indicate that there is a potential hazard and therefore, that a lane change might be dangerous. When the vehicle reaches the area monitored by the Blind Spot Monitor (3), the amber warning icon will illuminate continuously.

The radar monitors the area extending from the exterior mirror rearwards, to approximately 230 ft (70 m) behind the rear wheels, and up to 8 ft (2.5 m) from the side of the vehicle.

**Note:** The system covers an area of a fixed lane width. If the lanes are narrower than a typical highway lane, objects travelling in non-adjacent lanes may be detected.

**Note:** If a rapidly overtaking vehicle is detected on both sides of the vehicle simultaneously, the warning icons in both mirrors will flash.

## BSM SENSORS

The BSM system will automatically disable if either of the sensors become completely obscured, an amber warning indicator dot (2) is displayed in the exterior mirror and the message **BLIND SPOT MONITOR SENSOR BLOCKED** appears in the Message center.

**Note:** *Blockage testing is only initiated when vehicle speed is above 6 mph (10 km/h) and will take at least 2 minutes of accumulated time travelling above this speed, to determine that the sensor is blocked.*

If the sensors become blocked, check that there is nothing obscuring the rear bumper and that it is clear from ice, frost and dirt.

If a fault with 1 of the radar sensors is detected, an amber warning indicator dot is displayed in the exterior mirror and the message **BLIND SPOT MONITOR NOT AVAILABLE** is displayed in the Message center.

**Note:** *Even if the detected fault only affects the radar sensor on 1 side of the vehicle, the whole system is disabled. If the fault is temporary, the system will operate correctly once the engine has been switched off and then on again.*

If a fault in the system occurs, consult your Dealer/Authorized Repairer.

## RADIO FREQUENCY SPECTRUM REGULATION STATEMENTS

### United States of America

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** *The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.*

### Canada

This device complies with Industry Canada Standard IC - RSS-210. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Frequency of operation: 24.05GHz - 24.25GHz.

Field strength: Not greater than 2.5V/m peak (0.25V/m average) at a distance of 3 metres.