TRAFFIC SIGN RECOGNITION

The Traffic sign recognition system is a driving aid only. It remains the driver's responsibility to drive with due care and attention, in a manner which is safe for the vehicle, its occupants and the other road users. The driver should still observe all other road signs, road markings, and situations that are not detected or recognized by the Traffic sign recognition system.

The Traffic sign recognition system uses the forward-facing camera, located in the base of the rear-view mirror, which detects speed signs, no passing signs and variable overhead speed signs, to display symbols of the detected signs in the Message center. Traffic signs with extra information (for example, reduced speed limits for wet road conditions) will also be detected and compared with the vehicle's systems (for example, rain sensor, wipers, etc.) and may also be displayed in the Message center. Speed limit information from the Navigation system will be displayed for roads with no signage.

Note: *If the Navigation is not available, the Traffic sign recognition system will use the camera only.*

Note: *Make sure the windshield area in front of the rear-view mirror is kept clean and free of obstructions, for example, stickers, debris, mud, snow, ice, etc.*

The Traffic sign recognition system can be switched on and off via the **Driving Features** menu from the Instrument panel. See **44, INSTRUMENT PANEL MENU**. The system will operate up to a maximum speed of 135 mph (217 km/h).

The 3 basic functions of the Traffic sign recognition system are as follows:

- Speed limit detection: A corresponding sign will be displayed in the Message center.
- Speed alert: When the vehicle's speed is greater than (or equal to) the detected speed limit, a flashing Red ring, around the displayed speed limit sign, will be displayed in the Message center.
  Speed alert can be switched on/off, or the settings can be adjusted to display at 3 different settings:
  - When the vehicle's speed equals the detected speed limit.
  - When the vehicle's speed is 5 mph or 10 km/h above the detected speed limit; dependent on the Instrument panel being configured to display in mph or km/h.
  - When the vehicle's speed is 10 mph or 20 km/h above the detected speed limit; dependent on the Instrument panel being configured to display in mph or km/h.
- No passing zone: When a no passing sign has been detected, the system will also display a corresponding sign in the Message center.

Note: *The Traffic sign recognition system will not detect road markings or situations with no signage, for example, railway crossings, etc.*

Traffic sign recognition limitations

The system may provide false information, or function incorrectly in the following conditions:

- Traveling in adverse weather conditions, for example, heavy fog, rain, snow, etc.
- Concealed or covered signage.
- Driving towards very bright lights/lamps.
- The windshield area in front of the camera is covered by a sticker, fogged over, dirty, covered in snow or mud, etc.
- Navigation information incorrect.
- Traveling in an area not covered by the Navigation system.

- Non-conforming road signs.

BLIND SPOT MONITOR

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.

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

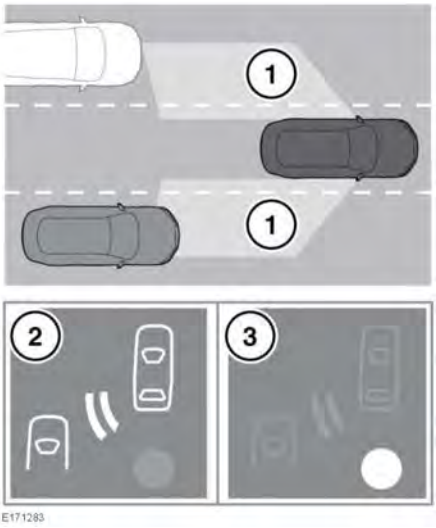
The BSM may not be able to detect all vehicles and may also detect objects such as roadside barriers, etc. Drive safely at all times and use the exterior and rear-view mirrors to avoid accidents.

The radar sensors may be impaired by mud, rain, frost, ice, 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.

Make sure the warning indicators in the exterior mirrors are not obscured by stickers or other objects.

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



The Blind Spot Monitor (BSM) system monitors a zone that covers the area adjacent to the vehicle, that is not easily visible to the driver. The system uses a radar on each side of the vehicle to identify any passing vehicle/object within the blind spot area (**1**) of the vehicle, while disregarding other objects which may be stationary or traveling in the opposite direction, etc.

If an object is identified by the system as being an passing vehicle/object, an amber warning icon (**2**) 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 ft (6 m) behind the rear wheels, and up to 8.2 ft (2.5 m) from the side of the vehicle (the width of a typical highway lane). The BSM is designed to work most effectively when driving on multi-lane roads.

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

Note: *If rapidly passing vehicles are detected on both sides simultaneously, the warning icons in both mirrors will flash.*

The BSM automatically switches on and becomes active when the vehicle is traveling 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 (**3**) remains illuminated until forward vehicle speed exceeds 6 mph (10 km/h).

The BSM is automatically disabled and an amber warning indicator dot is displayed in the exterior mirrors when:

- Reverse (**R**) or Park (**P**) is selected.
- The vehicle's speed is below 4 mph (6 km/h).
- The Electric Parking Brake (EPB) is applied.

The BSM can be enabled or disabled through the Instrument panel menu. See **44, INSTRUMENT PANEL MENU**.

Note: *Automatic disabling of the BSM does not apply to vehicles with Reverse traffic detection. See* ***156, REVERSE TRAFFIC DETECTION****.*

CLOSING VEHICLE SENSING

Closing vehicle sensing 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.

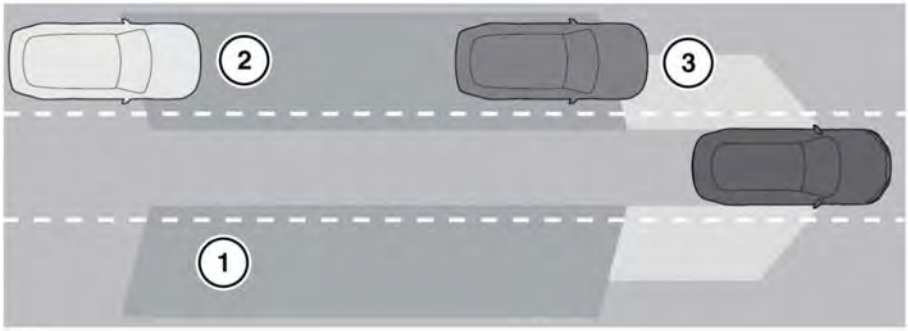
Closing vehicle sensing may not be able to give adequate warning of vehicles approaching very quickly from directly behind the vehicle. Always use the exterior and rear-view mirrors.

The radar sensors may be impaired by mud, rain, frost, ice, 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.

Make sure that the warning indicators in the exterior mirrors are not obscured by stickers or other objects.

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



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In addition to the functionality provided by the Blind Spot Monitor (BSM), Closing vehicle sensing monitors a larger area behind the vehicle. Closing vehicle sensing is designed to perform best on multi-lane highways with free-flowing traffic and is operational above 6 mph (10 km/h) in a forward gear.

1. Closing vehicle sensing monitors an area behind the vehicle, up to a distance of 230 ft (70 m) and approximately 8 ft (2.5 m) from each side of the vehicle (the width of a typical highway lane).
2. If a vehicle is detected approaching rapidly, an amber warning icon will flash in the relevant exterior mirror to indicate that there is a potential danger.
3. When the detected vehicle reaches the area monitored by the BSM, the amber warning icon will illuminate continuously.

Note: *If rapidly passing vehicles are detected on both sides simultaneously, the warning icons in both mirrors will flash.*

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

Note: *Closing vehicle sensing is disabled when the vehicle is negotiating a tight radius curve.*

Note: *When the BSM is disabled, Closing vehicle sensing is also disabled. See* ***44, INSTRUMENT PANEL MENU****.*

BSM SENSORS

The BSM system will automatically disable if either of the sensors become completely obscured; an amber indicator dot (**3**) is displayed in the exterior mirror and the message **BLIND SPOT MONITOR SENSOR BLOCKED** appears in the Message center.

Note: *Blockage testing is initiated only when the vehicle's speed is above 6 mph (10 km/h) and will take at least 2 minutes of accumulated time traveling 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 one 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 affects the radar sensor on only one 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 a Retailer/Authorized Repairer.

RADIO FREQUENCY SPECTRUM REGULATION STATEMENTS

United States of America

This device complies with part 15 of the FCC rules, UR8100261. 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 - 3248C-303919. 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 meters.