Thank You

Thank you for purchasing Brandmotion’s Blind Spot Detection System. Please read this manual before using this Blind Spot Detection System to assure correct operation. Keep this manual inside the vehicle for future reference.

Disclaimer

The Blind Spot Detection System is designed as a driver assistance device only and should not be used as a substitute for safe driving practices. Ultimate responsibility to ensure that people and/or property are not harmed remains with the driver.
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Safety Notes

WARNING

- Please note that the sensors are not always able to detect all vehicles that may be a potential hazard.
- Please note that the system is not always able to give adequate warning for vehicles that are approaching quickly from behind, or those that you are overtaking quickly.
- The Blind Spot Detection System may be restricted when driving in adverse weather conditions, around tight bends, or over crests.
- The Blind Spot Detection System has a set of pre-defined lane width. It monitors a zone on either side of the vehicle equivalent to a normal lane width. If the lanes are narrower than this, or if the vehicles are not travelling in the centre of their lane, the system may give a warning of vehicles that are not travelling in the adjacent lane.
- The Blind Spot Detection System is not a substitute for the full concentration of the driver. The driver is always responsible for the safety of changing lanes and other manoeuvres and this system is not designed to remove the need for head checks and mirror checking.
- NOTE: In order for the system to be operating correctly, the Blind Spot Detection System must be installed by an authorised fitter. If the position of the radar sensors has been compromised or affected by a rear-end collision, return the vehicle to your fitter for repair.
Blind Spot Detection System

The Blind Spot Detection System uses radar sensors to detect vehicles that are traveling in an adjacent lane within the area not reflected in the rear view mirrors (the blind spot), and advises the driver of the vehicle’s existence via an A-pillar BSD indicator.

1. **A-pillar BSD indicator (1):**
   - When a vehicle is detected in the blind spot, the A-pillar BSD indicator on that side illuminates.
   - If the turn signal lever is operated when a vehicle is in the blind spot, the A-pillar BSD indicator flashes and an audio alert is given (2).

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### INFORMATION

The Blind Spot Detection System is operational when:
- The main ignition is set to ‘ON’ and vehicle speed is greater than 25 km/h / 15 mph.

The Blind Spot Detection System will detect a vehicle when:
- A vehicle in an adjacent lane overtakes your vehicle.
- Another vehicle enters the vehicle’s detection area when it changes lanes.
Blind Spot Detection Areas

The range of the blind spot area where other vehicles can be detected in extends to:

1. Approximately 3.5 meters from the side of your vehicle.
   The first 0.5 meter from the side of your vehicle is not in the detection area.
2. Approximately 3 meters from your rear bumper.
3. Approximately 1 meter forward of your rear bumper.

Cautions regarding the use of the system:

The driver is solely responsible for safe driving. Always drive safely, taking care to observe your surroundings.

Use the Blind Spot Detection Kit in conjunction with the drivers own visual confirmation of safety. The Blind Spot Detection Kit is a supplementary system which alerts the driver that a vehicle is present in the blind spot. The system cannot judge if it is safe to change lanes, therefore over reliance could cause an accident resulting in death or serious injury.

According to conditions, the system may not function correctly.

For information on conditions under which the Blind Spot Detection Kit may not function correctly refer below.

Conditions under which the Blind Spot Detection Kit will not detect a vehicle:

The blind spot monitor is not designed to detect the following types of vehicle and/or objects:

- Vehicles traveling from the opposite direction.
- Small motorcycles, bicycles, pedestrians, etc.*
- Guardrails, walls, signs, parked vehicles and similar stationary objects.*
- Following vehicles that are in the same lane.*
- Vehicles driving two lanes across from your vehicle.*

*Depending on conditions, detection of a vehicle and/or object may occur.
Conditions under which the Blind Spot Detection Kit may not function correctly:
The Blind Spot Detection Kit may not detect vehicles correctly in the following conditions:
· During bad weather such as heavy rain, fog or snow, etc.
· When ice or mud, etc. is attached to the rear bumper.
· When driving on a road surface that is wet due to rain or standing water, etc.
· When there is a significant difference in speed between your vehicle and the vehicle that enters the detection area.
· When a vehicle is in the detection area from a stop and remains in the detection area as your vehicle accelerates.
· When driving up or down consecutive steep inclines, such as hills or dip in road, etc.
· When multiple vehicles approach with a small gap between each vehicle.
· When vehicle lanes are wide and the vehicle in the next lane is too far away from your vehicle.
· When the vehicle that enters the detection area is travelling at about the same speed as your vehicle.
· When towing a trailer.
· When items such as a bicycle carrier are installed on the rear of the vehicle.

Instance of the Blind Spot Detection Kit detecting a vehicle and/or object unnecessarily may increase under the following conditions:
· When there is only a short distance between your vehicle and a guardrail or wall, etc.
· When there is only a short distance between your vehicle and a following vehicle.
· When vehicle lanes are narrow and a vehicle driving two lanes across from your vehicle enters the detection area.

The A-pillar BSD indicator's visibility
When under strong sunlight, the A-pillar BSD indicator may be difficult to see.

When there is a malfunction in the system
If the system malfunction is detected due to any of the following reasons, warning message (five long beeps with both A-pillar BSD indicator blinks) will be triggered, BSD will shut down.
· There is a malfunction with the sensors.
· The outside temperature is extremely high or low.
· The sensors voltage has become abnormal.
· The A-pillar BSD indicator stops working.
Notice

Handling the radar sensor
One blind spot radar sensor is installed inside in the left-hand and right-hand side of the vehicle rear bumper respectively. Observe the following to ensure the blind spot monitor can function correctly.

- Keep the sensor and its surrounding area on the bumper clean all times.
- Do not subject the sensor or surrounding area on the bumper to a strong impact. If the sensor moves even slightly off position, the system may malfunction and vehicles that enter the detection area may not be detected. If the sensor or surrounding area is subject to a strong impact, always have the area inspected by your fitter.
- Do not disassemble the sensor.
- Do not attach accessories or stickers to the sensor or surrounding area on the bumper bar.
- Do not modify the sensor or surrounding area on the bumper bar.
- Do not paint the sensor or surrounding area on the bumper.
The Blind Spot Detection System has inherent limitations in the following situations.

- When driving through bends
- On roads with varying lane widths
- On multi-turning lanes
- When turning off roads

**Driving through bends**

Lane of regular width with bend on road covered by the sensor.

The Blind Spot Detection System will detect vehicles incorrectly in tight bends.

**Roads with varying lane widths**

Narrow lane; may detect vehicles two lanes away

The Blind Spot Detection System is designed to cover the adjacent lanes to your vehicle using a fixed lane width, which is based on a typical road lane. This area is a fixed area on the left and right of your vehicle and does not change regardless of where in your lane you are driving.

In the circumstances when the lane widths are reduced, the sensors may detect vehicles in adjacent lanes, and may be more affected if you are driving to one side of your lane. In these situations a warning may be given from vehicles not in your adjacent lane.

Similarly, in situations when the lanes are very wide, it is possible that the system may not be able to detect vehicles that are in your adjacent lanes. This is due to the other vehicles being outside the detection area.
On multiple turning lanes or roundabouts
The Blind Spot Detection System may give out a warning on multiple lane turns or roundabouts when there are vehicles in the adjacent lane or directly behind.

Slip lanes, Sharp turn & U-Turn
Blind Spot Detection System may detect a vehicle behind during a u-turn, or turn off a road through a slip lane.
Notes:
Please note that all information, illustrations and specifications in this Handbook are based on the latest product information available at the time of printing. Brandmotion reserves the right to make any changes at any time without notice and without incurring any obligation.

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