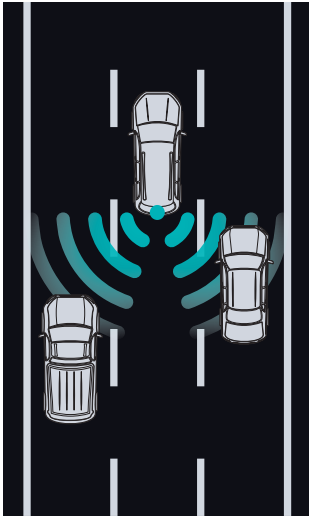
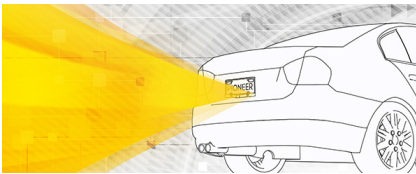


SDA-BSI Add-On Blind Spot Detection System - License Plate Bar-Type for Universal Application



- License Plate Bar with built-in radar sensors
- High accuracy digital microwave radar technology
- Interior audible and LED indicator alerts
- GPS unit for speed sensing
- License Plate Bar is IPX6 and IPX7 rated
- LED indicators with pre-installed black color covers
- 3-year limited warranty

FEATURES



The Pioneer Blind Spot Detection System (BSD) SDA-BSI is designed to assist in detecting vehicles entering your vehicle's blind spot zone*. While driving, the system detects objects entering your blind spot zone around the rear of your vehicle and in the lanes on the left and right of the vehicle with an approximate detection range of up to 50 feet. When you're slowly backing out of a parking spot or driveway, cross traffic approaching from your left or right entering your blind spot zone will activate the buzzer and the LED indicator(s) to signal the direction of approaching vehicles and warn the driver.

GPS Antenna Included

This SDA-BSI comes with a GPS antenna, which is used to calculate your vehicle's moving speed. On startup, it may take up to 2 minutes to engage; once engaged, both LED indicators will flash twice to indicate the GPS system has been activated. There are 4 speed sensing thresholds. The factory default is set to detect and warn at threshold speeds at or above 20-mph. At speeds under the 20-mph threshold, objects will not be detected.



GPS Antenna

License Plate Bar Installation

Installation requires the License Plate Bar be positioned horizontal to the road for effective detection. Mounting wedges are provided to achieve the horizontal position when needed. The SDA-BSI License Plate Bar must be installed on the center rear of the vehicle for sensor detection to function properly. For this reason, license plates designed towards the right or left side of the vehicle are not suited for the SDA-BSI. Because license plates may vary in configuration from state to state, the SDA-BSI can be mounted above or below the license plate.



License Plate Bar

IPX6 and IPX7 Rating

The SDA-BSI License Plate Bar with built-in microwave sensors has an IPX6 and IPX7 rating. However, the Control Unit is not waterproof and requires installation inside the vehicle.

Blind Spot Reading Accuracy

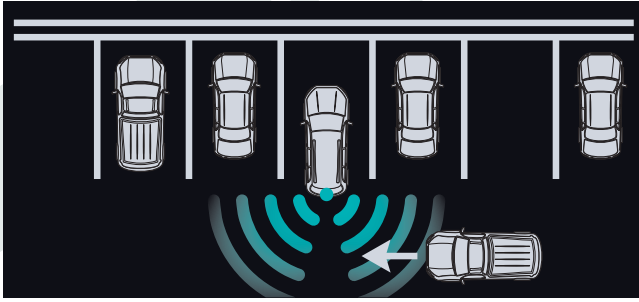
Situations which may affect the SDA-BSI's reading accuracy include

- When metal objects are in the direct path of the sensing signal.
- Weather such as heavy rain and snow, and icy road conditions, which can cause changes in sensitivity.
- Gravel roads, which may cause interference due to dust, debris, or foreign objects.

Blind Spot's Effectiveness

The SDA-BSI may be compromised in its effectiveness

- When towing or when a permanent trailer is attached.
- On vehicles with metal obstructions in front of the license plate, such as a spare tire mount, rear bike racks etc.
- Where standard license plates are mounted on the right or left side of the vehicle (Center Installation Required)



Reverse Cross Traffic Alerts



LED Indicators

| Model No | | SDA-BS1 | SDA-BS100 | SDA-BS900 | |
|---------------------|--|--|--|------------------------------------|--|
| Limited | | No | Yes | Yes | |
| Features | Type | Control Unit with license Bar Radar Sensors | Control Unit with license Bar Radar Sensors | Bumper Radar Sensors | |
| | Warranty | 3 Year Limited | 3 Year Limited | 3 Year Limited | |
| | Ingress Protection Rating | License Plate Bar: IPX6/IPX7 | License Plate Bar: IPX6/IPX7 | Radar Sensor: IPX6/IPX7 | |
| | Compatibility | ---- | ---- | ---- | |
| | Speaker | Yes | Yes | Yes | |
| | GPS Antenna | Yes | Yes | Yes | |
| Sensor Information | Detection Range | 52 ° (Horizontal) | 52 ° (Horizontal) | 70 ° (Horizontal) | |
| | Speed Range | 0.5 mph - 37 mph | 0.5 mph - 37 mph | 0.5 mph - 37 mph | |
| | Speed Accuracy | <0.5 mph | <0.5 mph | <0.5 mph | |
| | Speed Restriction | 4 Adjustable Settings; 5 mph, 10 mph, 15 mph, 20 mph (default) | 4 Adjustable Settings; 5 mph, 10 mph, 15 mph, 20 mph (default) | >= 18 mph | |
| | Direction of Movement and Detection Range | | | | |
| | Approached by Vehicles | 1' - 50' | 1' - 50' | (-)6.5' - 82' | |
| | Following By Vehicles | NA | NA | (-)6.5' - 82' | |
| | Overtaking Vehicles | NA | NA | (-)6.5' - 82' | |
| | Operating Voltage | 9 - 18 V | 9 - 18 V | 9 - 18 V | |
| | Working Current | <100mA | <100mA | 400mA | |
| Working Temperature | (-) 4 ° F - 158 ° F | (-) 4 ° F - 158 ° F | (-) 40 ° F - 185 ° F | | |
| FUSE Rating | 2A | 2A | 2A | | |
| General | Mounting Location | Rear License Plate Center installation required | Rear License Plate Center installation required | Right and Left Rear Bumper Corners | |
| | Main Harness | 1 Piece | 1 Piece | 1 set | |
| | Main Control Unit | Separate Sensor Module Included | Separate Sensor Module Included | Sensor Module Built-In | |
| | Sensor Cables | 1 Set | 1 Set | 1 Set | |
| | LED Extension Cable | 1 Set | 1 Set | 1 Set | |
| | License Plate Bar with Configurable Radar Sensor | 1 Piece | 1 Piece | NA | |
| | GPS Tieline | NA | NA | 1 Piece | |
| | LED Indicator | 1 Set | 1 Set | 1 Set | |
| | LED Indicator Lens | 2 Pieces (black) | 2 Sets (2 Black and 2 Silver) | 2 Sets (2 Black and 2 Silver) | |
| | Wedges | 5°, 10°, and 15° | 5°, 10°, and 15° | NA | |

For full specifications and other Pioneer products, visit www.pioneerelectronics.com

* THIS PRODUCT FUNCTIONS AS AN AID FOR NOTIFYING THE PRESENCE OF OBSTACLES IN VEHICLE BLIND SPOTS. IT DOES NOT DETECT ALL DANGERS AND OBSTACLES AND IS NOT A SUBSTITUTE FOR YOUR JUDGEMENT AND CAREFUL ATTENTION. BEFORE ANY MANEUVER, VISUALLY CHECK BOTH SIDES OF THE VEHICLE TO CONFIRM.

This device is rated IPX6 and IPX7 using the Ingress Protection rating system. The device has been tested in a controlled environment and shown to be water resistant in certain circumstances and meets the requirements of the classification IPX6 and IPX7 as described by the international standard IEC 60529 - Degrees of Protection provided

by Enclosures [IP Code]. Despite this classification, the device is not resistant to water damage in every situation.

Information provided for reference only and does not imply guaranteed compatibility with each model year of the vehicles shown. Consult your Authorized Pioneer Dealer to confirm vehicle compatibility.

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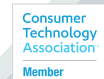
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Note: Specifications, designs, and user interfaces are subject to modification without notice. Product colors and illumination may differ in photographs from actual appearance due to effects of printing and photography.



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