VOXX SM

Electronics Corporation

Installation Guide

Blind Spot Detection / ACABSDLP

Kit Contents

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2	Control Module w/ Speaker	1	
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6	Sensor Extension Cable	1	
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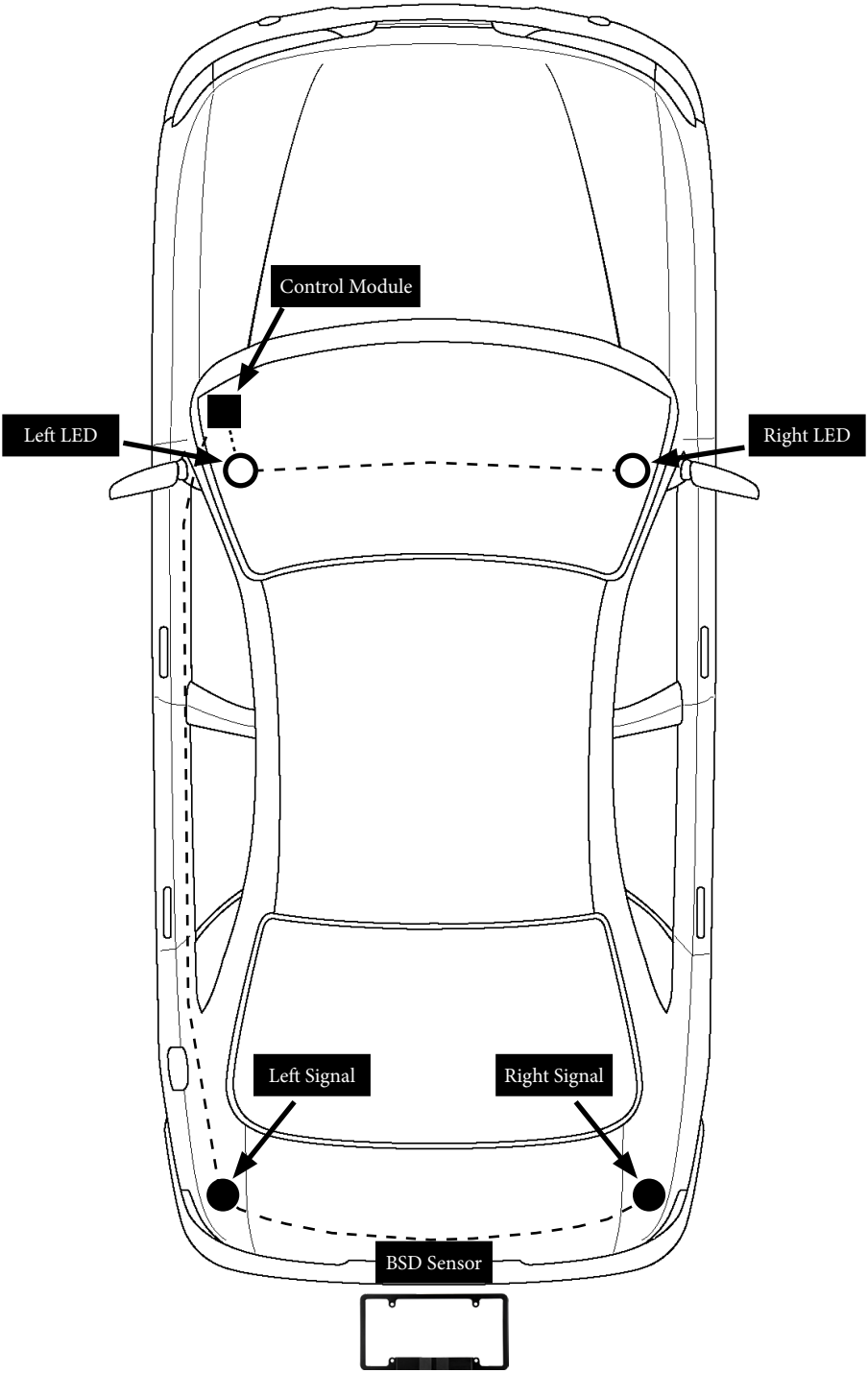
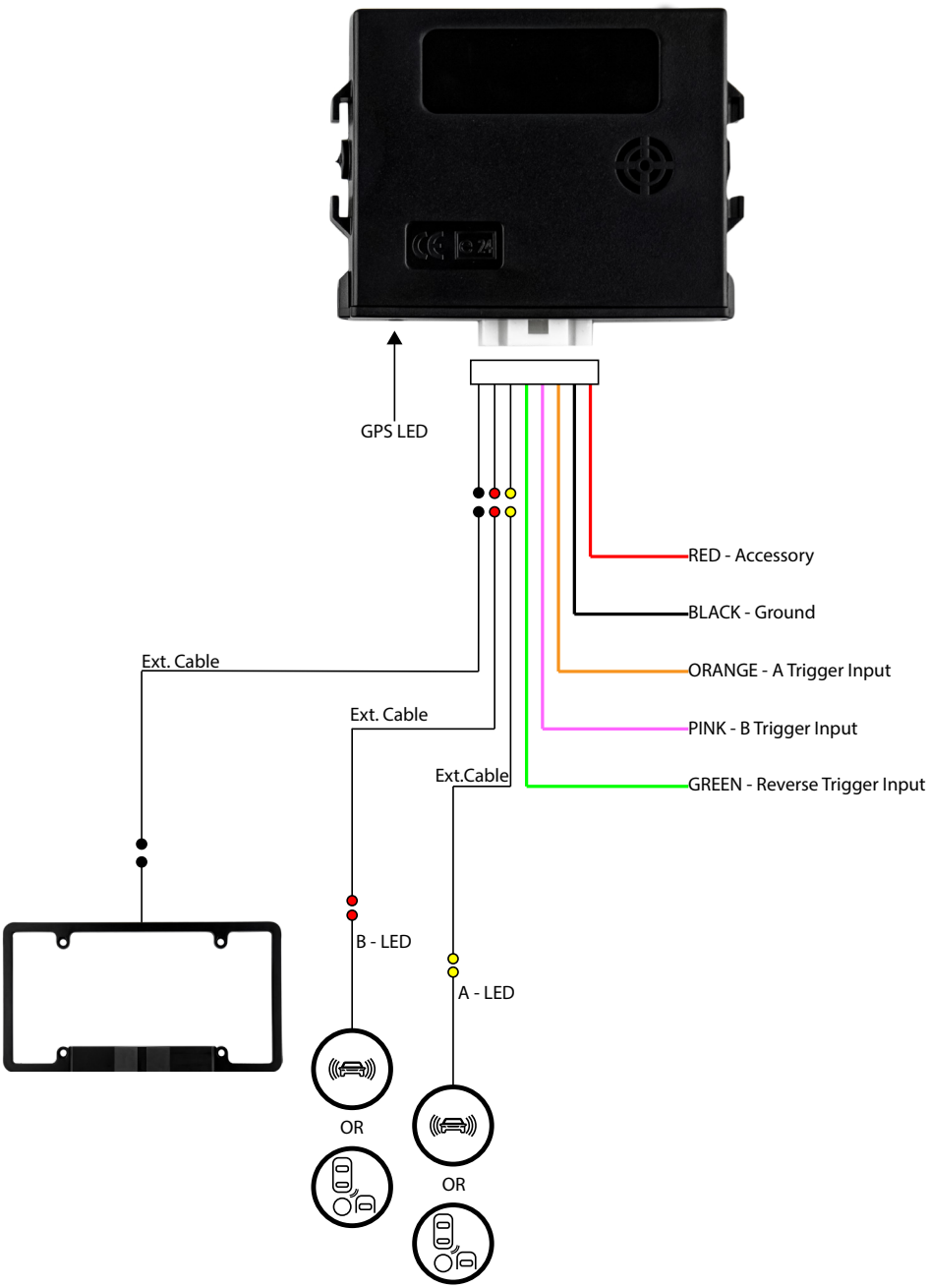
System Layout



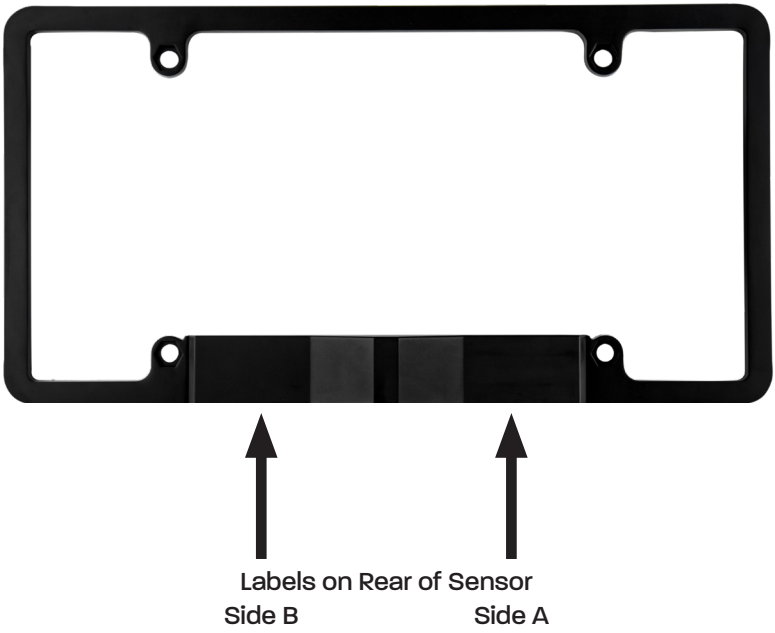
System Layout (Cont)



1. Sensor Installation

The Blind Spot License Plate Frame can be installed onto the vehicle's license plate with the sensor located at the top or bottom. Labels are located on the back of the BSD sensor. Each side is marked with an "A"or "B". Please note which side each label is located on before securing the plate frame to the vehicle. This will determine the locations of the "A" & "B" LED indicators and Trigger input wires.

Example: If the plate frame is mounted with the BSD sensor on the bottom of the vehicle's license plate; the Right side detection is A; The Left side detection is B.



Mount the sensor frame to the vehicle using the supplied security screws and route the sensor cable to the front of the vehicle using the supplied sensor extension cable.

NOTE: If drilling is required, always use a rubber or plastic grommet to prevent damage to the sensor cable. Always use an epoxy to seal the hole to prevent water from entering the cabin of the vehicle.

2. “A” Trigger Input

Locate the vehicle’s right tail light assembly. Using a digital multi-meter, test each wire to identify the right turn signal trigger wire. This wire will pulse 12-Volt (+) when the turn signal is activated.

Using the sensor labels as a guide, connect the “A” trigger input wire to the vehicle’s right turn signal trigger wire. In the example on the previous page, the right side sensor is “A”.

NOTE: This system is not compatible with multi-filament bulbs. If the vehicle uses this type of bulb the turn signal connections should be made at the vehicle’s front turn signals.

3. “B” Trigger Input

Locate the vehicle’s left tail light assembly. Using a digital multi-meter, test each wire to identify the left turn signal trigger wire. This wire will pulse 12-Volt (+) when the left turn signal is activated

Using the sensor labels as a guide, connect the “B” trigger input wire to the left turn signal wire. In the example on the previous page, the Left side sensor is “B”.

NOTE: This system is not compatible with multi-filament bulbs. If the vehicle uses this type of bulb the turn signal connections should be made at the vehicle’s front turn signals.

4. Reverse Trigger Input

Locate the vehicle’s reverse light assembly. Using a digital multi-meter, test each wire to identify the reverse signal wire. This wire will test as 12-Volt (+) when the vehicle is in reverse gear.

Connect the Reverse Trigger input to the vehicle’s reverse signal wire. This input is used to activate the Rear Cross Traffic function of the BSD system.

5. Accessory / Ground Input

Locate the vehicle's Accessory wire. This wire will rest at Ground (-) and change to 12-Volt (+) when the key is in the Accessory and Ignition positions. Connect the Red Accessory input to vehicle's Accessory wire.

Identify a secure location for the BLACK Ground input. Use a factory ground location if possible. If a factory Ground is not available, this wire should be connected to the vehicle's chassis.

Note: If drilling is required to connect the BLACK Ground input, always check behind the drilling location to ensure that no damage will occur.

6. Mounting The control Box

Locate a space in the vehicle to mount the sensor control box. This should be in a location that is easily accessible and will allow for the built in speaker to be heard from the driver's seat. The ideal mounting location is in the driver's side under dash, driver's kick panel, or under the driver's seat.

7. Mounting the LED Indicators

Locate a position on the left and right "A" pillars to mount the supplied LED indicators. This position should be visible from the drivers seat and within the field of view of each side mirror. If using the flush mount LED, check the rear of the vehicle panel for proper fitments. Route the "A" and "B" LED cables to the proper side of the vehicle using the labels on the plate frame as a guide.

Surface Mount LED
Remove the paper covering from the back of the LED indicator and mount to the vehicle's panel using the supplied two-sided tape.

Flush Mount LED
Remove the vehicle panels that will be used to mount the LED. Using a 12mm bit, drill the holes for the flush mount LED indicators. Mount each LED indicator into the panel and connect the indicators to the control module extension cables. Finally, re-install the vehicle's trim panels.

Testing

Test Drive Pre-Check

The sensor control module is equipped with a Green LED. This LED is used to check the status of the GPS receiver. When GPS is available the system will use this information to activate or deactivate the BSD detection. This is done to prevent any false warnings while driving at slow speeds in traffic or parking lots. If GPS is unavailable the system will be active and provide full detection. Always check the GPS status before the vehicle test drive.

LED Status
Solid : GPS Sensor is searching for Satellites.
Flashing : GPS Sensor is locked on to Satellites.

GPS Speed Control
0-5mph : System is OFF
5-20mph : LED notification only. System will not provide audible warning
20mph + : System will provide LED and Audible warnings.

WARNING: Upon power-up, the system can take up to 60 seconds to acquire a GPS satellite connection. During this time the system will provide both LED and audible warnings if a vehicle is detected in the blind spot.

Test Drive

Blind Spot Detection Testing

After installation and test drive pre-check, drive the vehicle in a high traffic area. While driving the vehicle above 20mph if another vehicle approaches from the rear and enters the vehicle right blind spot the right LED should illuminate. If the turn signal is activated the system should sound an audible alert to warn the driver. Be sure to test both right and left side BSD detection.

Note: The approaching vehicle's speed must be greater than your own.

Rear Cross Traffic (RCT) Detection Testing
After the test drive, park the vehicle in a high traffic parking lot. The RCT function is activated when the vehicle is placed into reverse gear. While securely holding the brake, place the vehicle into reverse gear. When a vehicle enters the RCT detection area the system will illuminate the LEDs and provide an audible warning.

Note: The system will only detect vehicles traveling at speeds greater than 5mph.

Problem	Fix
Vehicle approaches on the right - left LED is illuminated.	Swap LED cables at the control module
Vehicle Approaches on the left - right LED is illuminated.	Swap LED cables at the control module
Vehicle is detected on right - left turn signal activates audible alerts.	Swap trigger input wires at the control module
Vehicle is detected on left - right turn signal activates audible alerts	Swap trigger input wires at the control module.
Audible warning is provided without activating the vehicle turn signal.	Check all trigger input wires
Audible Warning is provided when vehicle is not in motion.	Check GPS Status

Technical Support

Please contact Voxx Electronics for technical support at 1-800-225-6074
or
visit www.voxxuniversity.com.

NOTES:

Notes

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