









VOXXSM

Electronics Corporation

ACABSD – Blind Spot Detection System Installation Set-up Guide

NO.	ITEM	QTY	PICTURE
1	Main Harness	1	
2	Sensor w/ Harness	2	
3	LED Indicator	2	
4	Buzzer	1	
5	Installation Guide	1	
6	Cable Ties	12	
7	3M Tape	2	
8	FLBSD	1	

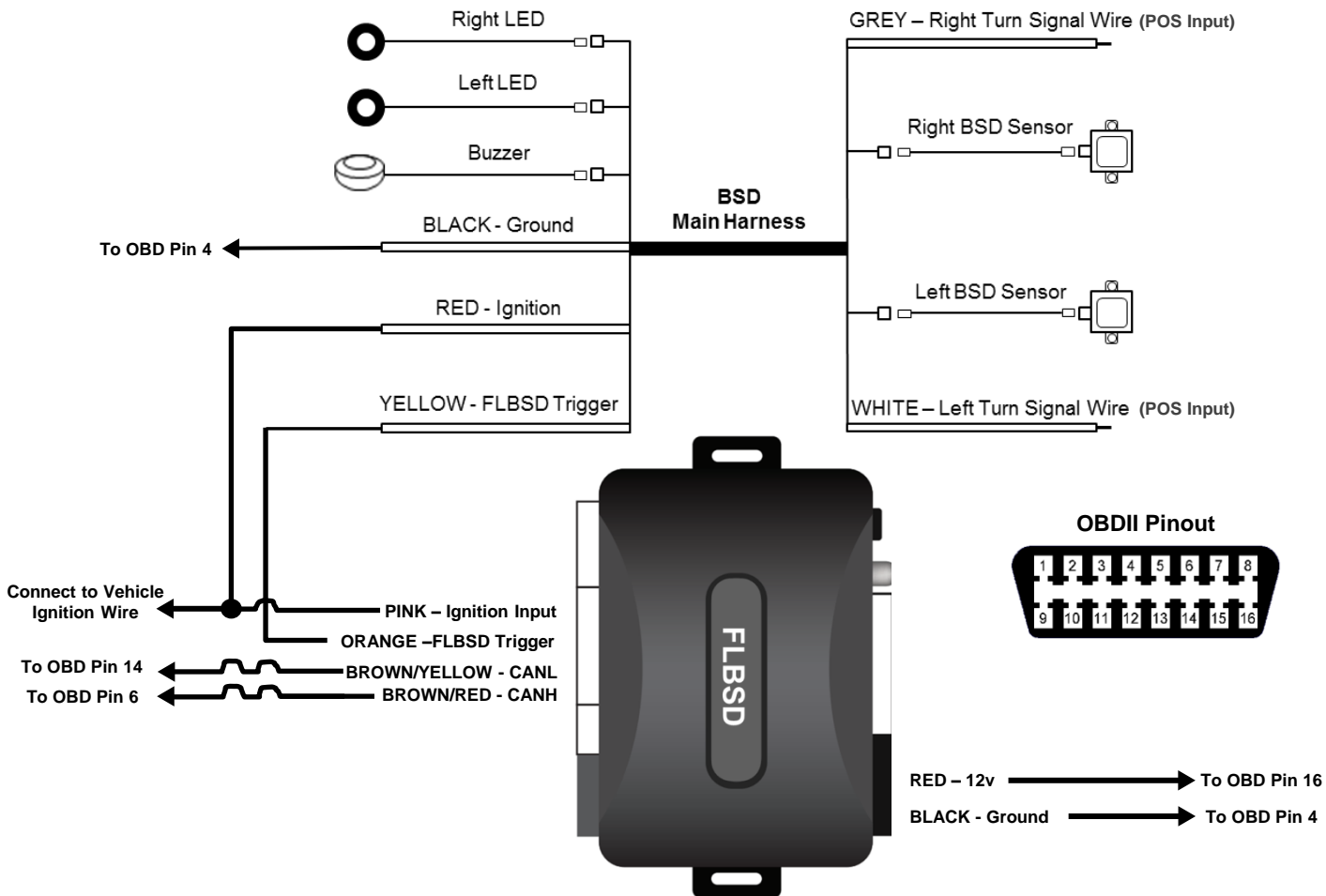
NOTICE: ACABSD CANNOT BE INSTALLED ON METAL BUMPERS

Installation Tools and Tips

- Painters Tape
- Philips/Flathead screwdrivers
- Sockets and wrench
- Plastic pry bars
- Surface cleaner (i.e. rubbing alcohol)
- Rag

1. Look for and use 'grommets' for bumper access to avoid drilling holes
2. Ensure all harnesses are fully connected and locked in
3. Use the cable ties to fasten harness while installing

Type 1: System Layout



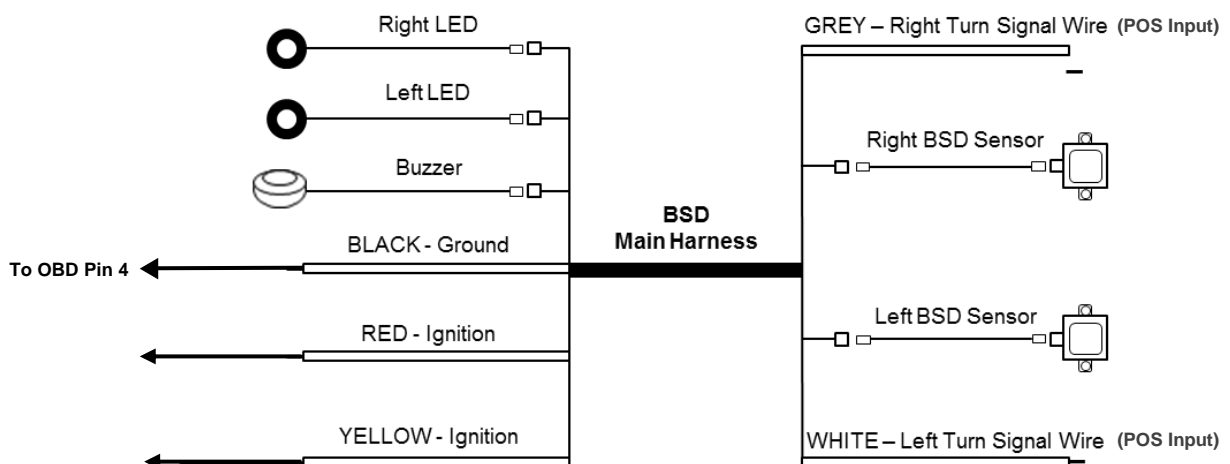
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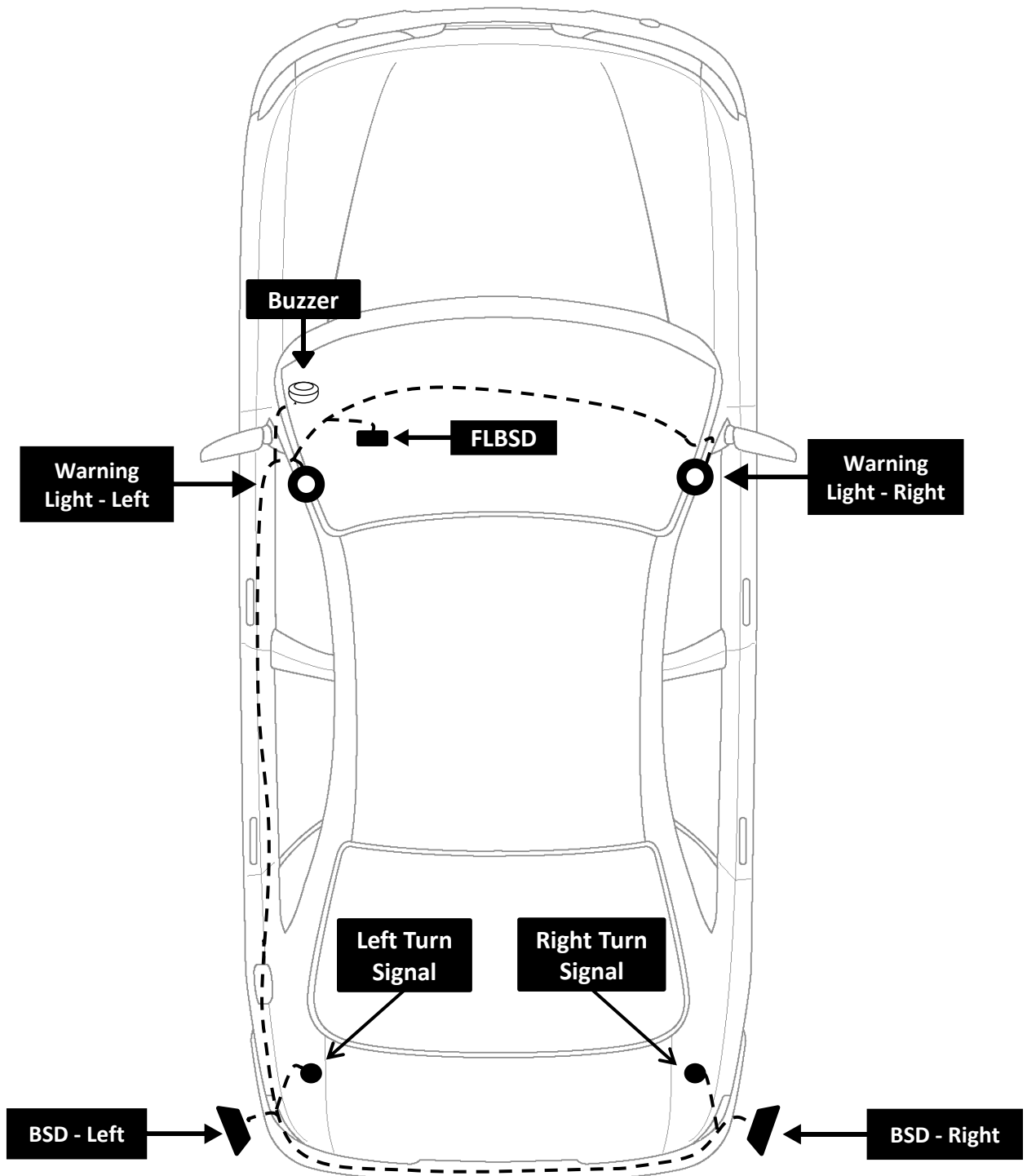
Type 2 System Layout

Use this type of installation method when installing on a vehicle that is older than 2007 or does not provide a VSS signal on the OBD2 port. In this case, the FLBSD is not required.

NOTE: TYPE 2 INSTALL WILL BE ACTIVE WITH IGNITION. IT WILL NOT TRIGGER BASED ON SPEED.



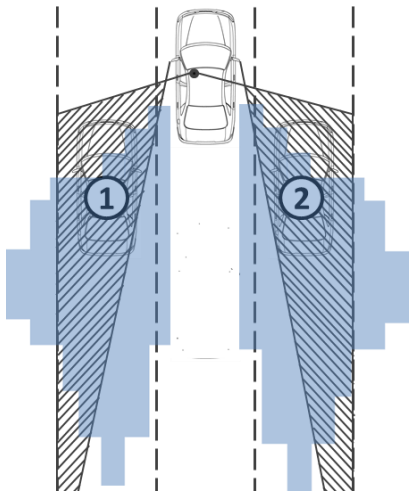
System Layout



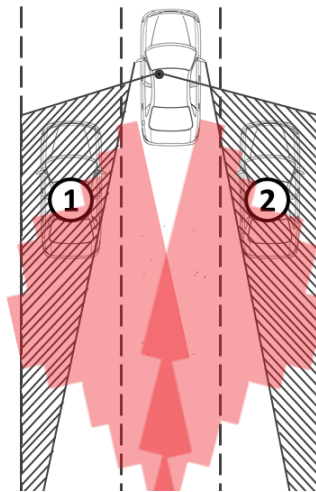
A . Measure BSD Sensor Height & Angle

1. The BSD sensors will be installed to both inner corners of the rear bumper shell
2. Using a ruler, locate an installation area between 14-35 inches from the ground and mark height line with painters tape
3. You may have to remove rear bumper
4. Identify the corners of the bumper
5. Mark installation area

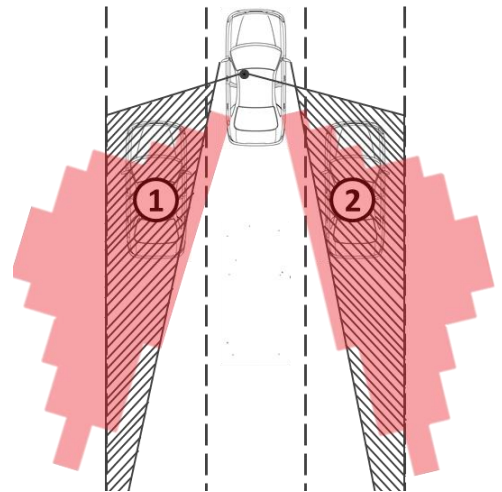
Correct ✓



Wrong X

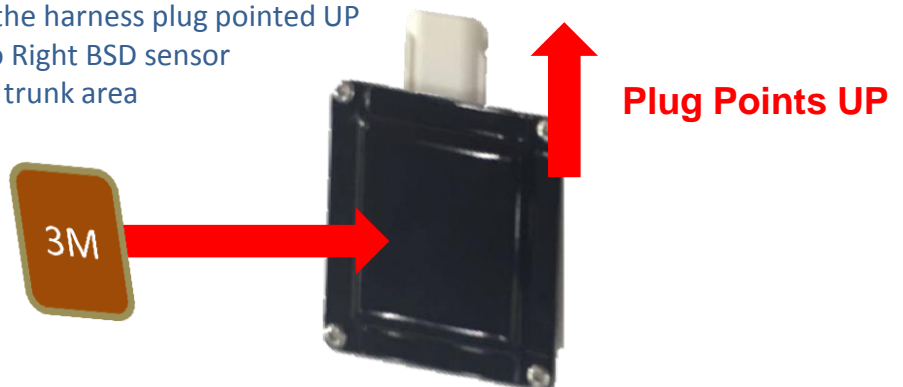


Wrong X



B . Install Right BSD Sensor

1. Clean installation surface, on the opposite side of your tape mark, and let the surface dry
2. Attach 3M tape to BSD sensor surface (black side)
3. Install BSD sensor with the harness plug pointed UP
4. Connect BSD Harness to Right BSD sensor
5. Route BSD Harness into trunk area



C . Install Left BSD Sensor

1. Clean installation surface, on the opposite side of your tape mark, and let the surface dry
2. Attach 3M tape to BSD sensor surface (black plastic side)
3. Install BSD sensor with the harness plug pointed UP
4. Connect BSD Harness to Left BSD sensor
5. Route BSD Harness into trunk area

D . Route Main Harness to front of Vehicle

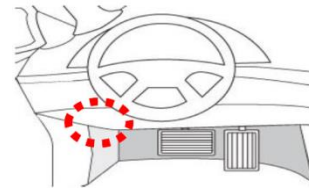
1. Connect right and left BSD harness to main harness
2. Route main harness to driver's side dash

E . Install Right LED

1. Connect Right LED to main harness, route wires to passenger's side
2. Connect Left LED to main harness, route wires to driver's side

F . Install Buzzer (Optional)

1. Connect Buzzer to main harness
2. Install in driver kick panel with 3M tape



G . FLBSD Installation

Once installed, the Flash Logic BSD (FLBSD) will read the vehicle's speed through the OBDII port. It is defaulted to turn ON the sensor, once it hits 20 MPH. This is to prevent false alerts at low speeds.

This speed is selectable through the Flash Logic website (www.flashlogic.com) if an adjustment is needed. To test and verify the system set up, you must follow the test mode procedure on the next page.

FLBSD come pre-flashed – No programming needed after installation

Ignition OFF

- LED = OFF

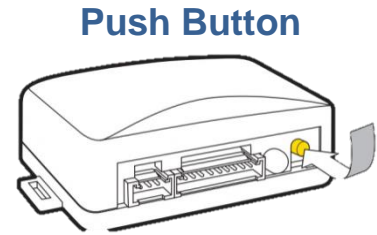
Ignition ON

- LED = Blinking RED rapidly -> CAN communication problem
- LED = Steady GREEN -> Ignition is ON but VSS < threshold
- LED = Steady RED -> Ignition is ON and VSS >= threshold
- LED = Blinking GREEN rapidly -> Ignition is ON and VSS = 0 and test mode activated

H. Testing and Troubleshooting

Module and Wiring Test:

1. Enable TEST MODE on the FLBSD
2. With IGN ON and the vehicle parked – press and release push button on the FLBSD
3. The system will now be enabled for 30 seconds



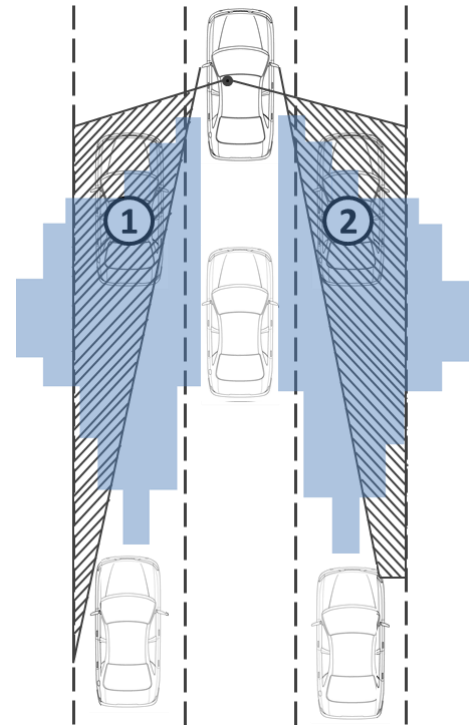
Sensor Trigger Test:

1. Enable TEST MODE (30 seconds)
2. Walk into sensor range and look for LED to light up on corresponding side
3. To test BUZZER, cycle turn signal while in sensor range

Drive Test:

1. With BSD installed, go for a short drive to verify proper speed trigger threshold
2. During drive test, note and verify installation location is producing accurate alerts

Correct Sensor View



NOTE: According to OnStar, aftermarket devices that connect directly to the vehicles OBD Port can cause issues with the monthly diagnostic reports that they provide. Most functionalities of these and the other manufacturer specific diagnostic systems will continue to work, however, you won't receive complete monthly diagnostic reports. If this is unacceptable for the consumer, please use the Type 2 Install diagram.

NOTE: The FLBSD may interfere with other aftermarket CAN Bus products using the same OBD port connection. If this happened please use the Type 2 Install diagram.

Notes

For customer or technical support please call Voxx Support:

1-800-645-4994

**9 AM – 6 PM (EST - Eastern)
Monday – Friday**

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