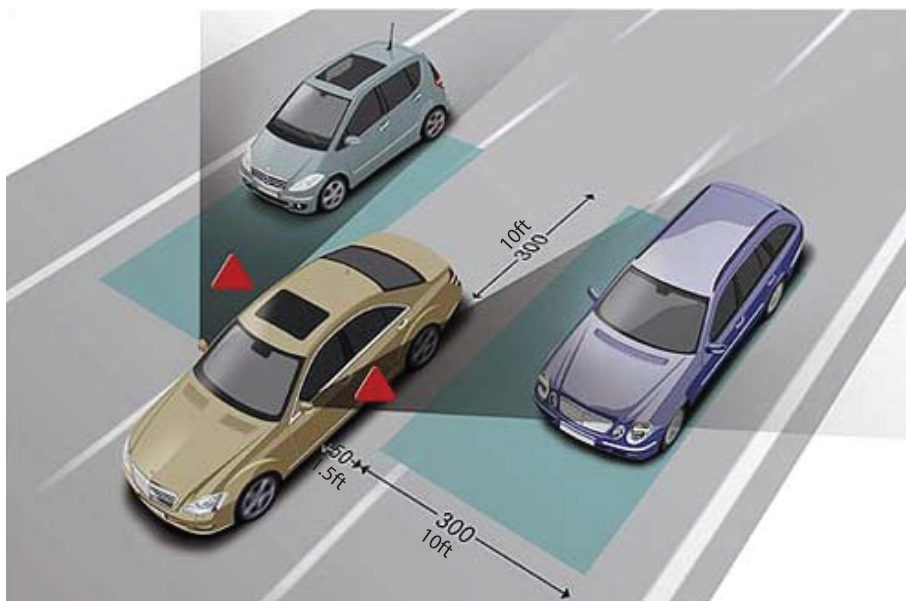


# CRIMESTOPPER

SECURITY PRODUCTS

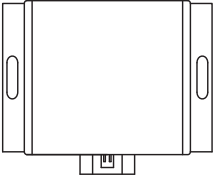
## BSD-754

Blind Spot Detection System

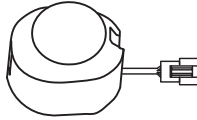


## Installation Manual

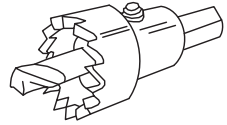
# PARTS LIST



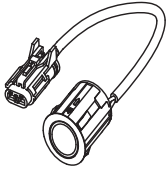
Main Control Unit  
1 PC



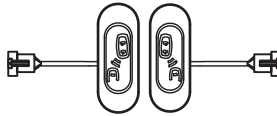
Warning Chime  
Speaker  
1 PC



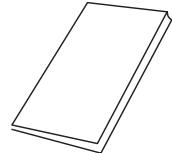
Supplied  
Sensor Hole Saw  
1 PC



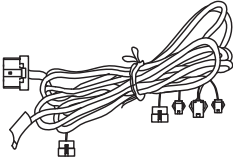
BSD Sensor  
4 PCS



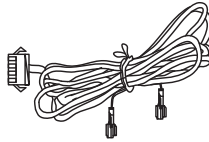
Warning LED's  
1 Pair



Operation &  
Installation Manual  
1 PC EA.



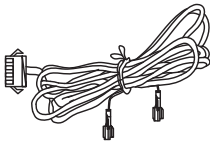
Main Harness  
1 PC



Front Sensor Harness  
1 PC



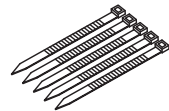
Velcro  
1 PC



Rear Sensor Harness  
1 PC



Extension Harness for  
Right Warning LED  
1 PC



Zip Ties  
5 PCS

# SPECIFICATIONS

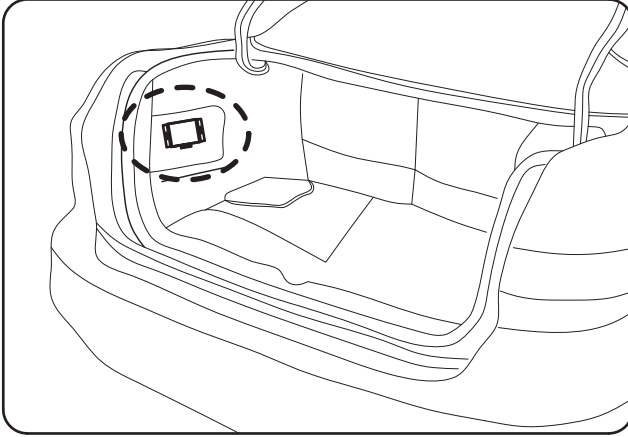
Rated Operating Voltage	DC 12V
Operating Voltage Range	9.6V - 16V
Operating Temperature	-30° C - 70° C -22° F - 158° F
Operating Current	≤300mA
Farthest Distance of Detection	3.0m/ 10ft.

# PRECAUTIONS

- This product should only be installed on 12V vehicles. Please be sure everything is in good working order prior to starting the installation.
- The main control unit should be mounted on the LEFT side of the trunk or rear of the vehicle in order to allow the wiring harness to reach all of the necessary components.
- Be sure to make connections to the labeled connectors on the harness.
- When routing the wiring make sure to stay away from any moving parts, heating ducts, sharp edges or other high current wires on the vehicle.
- If you decide to paint the sensor to match the body color of the vehicle, make sure to use very light coats while spraying. Applying too heavy of a paint coat will make the sensor inoperable.
- When running wires from the engine compartment to the interior of the vehicle, be sure it use a factory grommet when available.
- If you have to drill a hole to run wires into the vehicle, ensure that there is clearance on both sides of the metal so that the drill bit will not cut any wires or damage anything. After creating a new hole, you should place a grommet in the hole then run the wiring and finally sealing the hole.
- This system is not to be installed into metal panels or where the rear of the sensors will be touching metal.

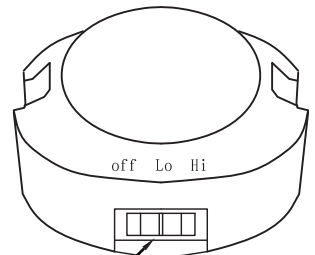
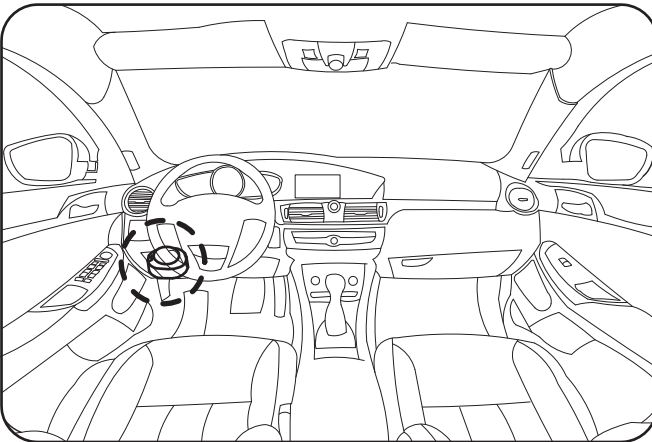
# Main Control Module

To mount the main control unit, find a solid metal surface in the trunk or rear of the vehicle making sure that the wire harness will reach all of the necessary locations. Clean both the mounting surface and the bottom of the main control unit thoroughly. Adhere the Velcro to the bottom of the main control unit and then to the cleaned metal surface.



# Warning Chime Speaker

The warning chime speaker should be mounted under the left side of the dash using the 3M tape that is attached to the bottom of the speaker. The mounting surface should be a solid metal surface that has been thoroughly cleaned and dry. You should mount the warning chime speaker in a manner that allows you to adjust the volume as needed.

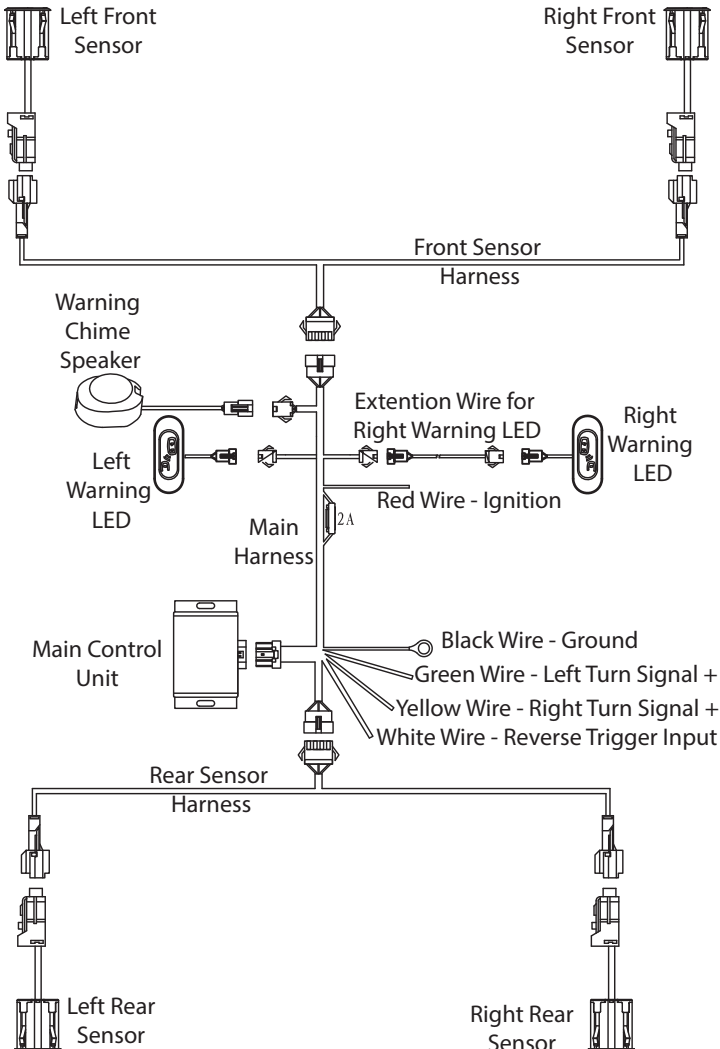


Volume Control (OFF, LOW, HI)  
The factory default is LOW.

# Routing Wiring

The wiring harness should be routed from the main control unit along the left side of the vehicle. Make sure that the harness stays away from high current wiring, moving objects, sharp edges and high heat sources. When running the front sensor harness through the firewall it is best to use a factory grommet. If there is no factory grommet available, then drill a hole of the appropriate size to get the harness through. Be sure to use a grommet on the new hole so that no wires can be cut, then seal the hole once you have the wiring ran.

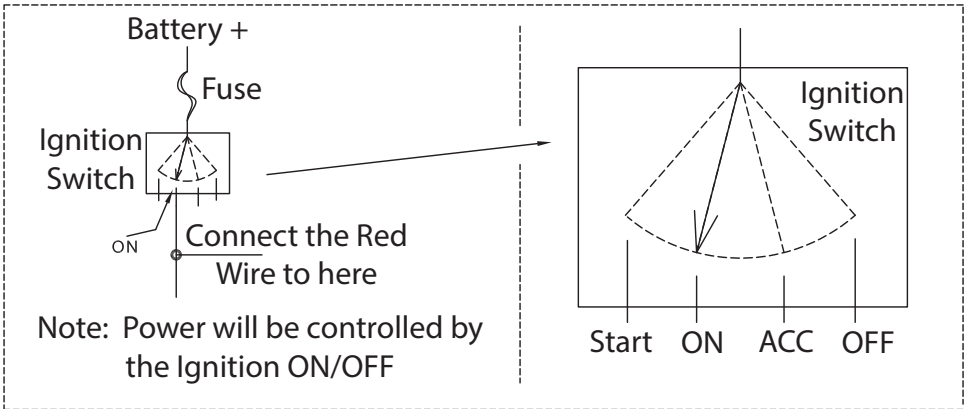
## Wiring Diagram



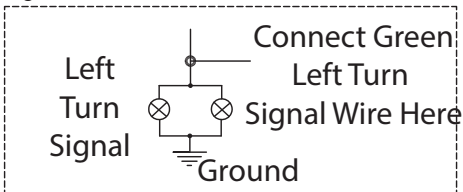
# Wiring Connections

**Note:** Be sure to verify all wiring using a digital multimeter.

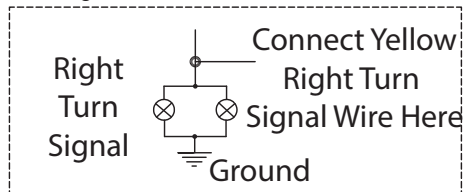
**Red** – This wire should be connected to the primary ignition.



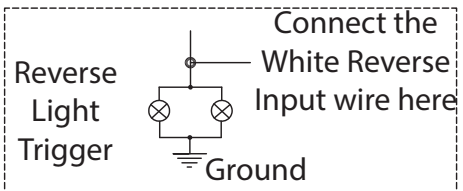
**Green** – This wire should be connected to the 12V trigger for the LEFT turn signal.



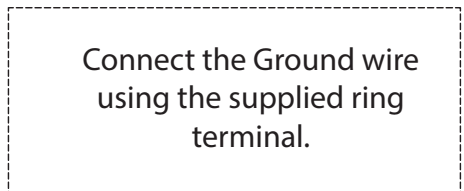
**Yellow** – This wire should be connected to the 12V trigger for the RIGHT turn signal.



**White** – This wire should be connected to the 12V trigger for the reverse lights.



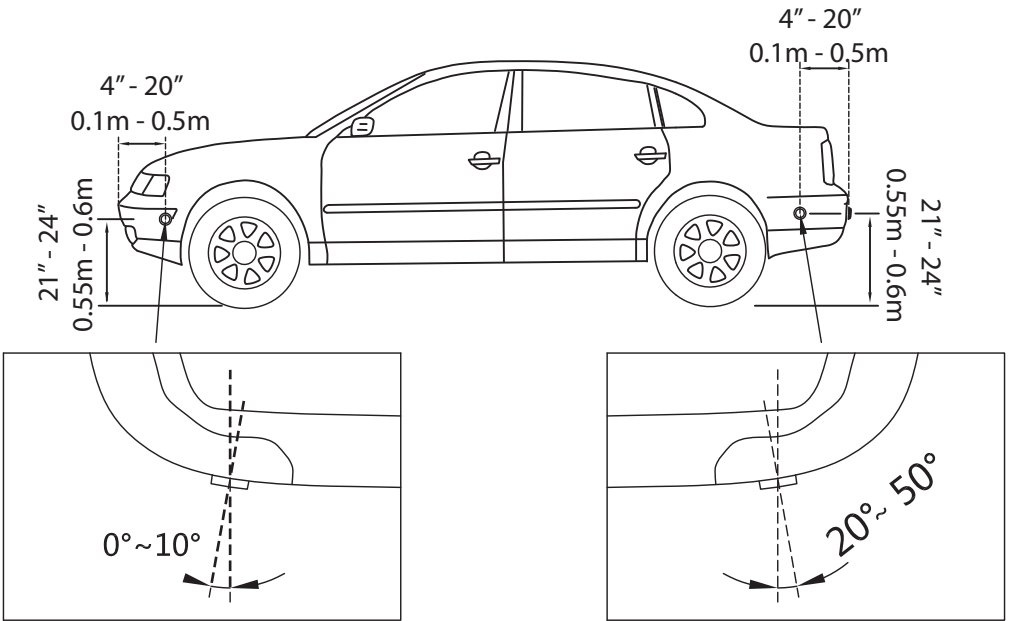
**Black** – This wire should be connected using a ring terminal to a paint free, solid metal surface of the vehicle.



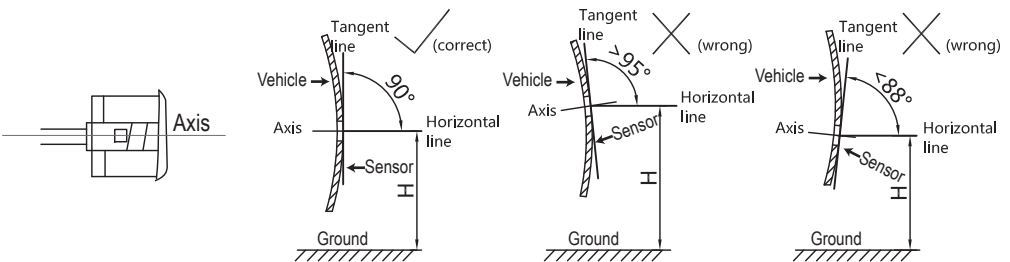
Be sure that you make solid connections and they are terminated properly. Best installation practices suggest that the wires be soldered together and wrapped in a good quality electrical tape or heat shrink.

# Sensor Mounting

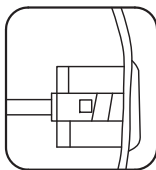
Before drilling any holes, tape off the area around where the hole will be drilled and be sure that there is plenty of space behind the area where the sensor will be mounted.



The Axis (center) of the sensor should be parallel to the horizontal line, see the diagrams below.

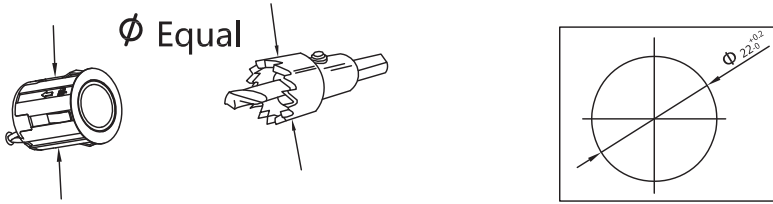


Be sure that there is plenty of space behind the sensor that it will not interfere with anything and that the sensor can be fully seated into place.

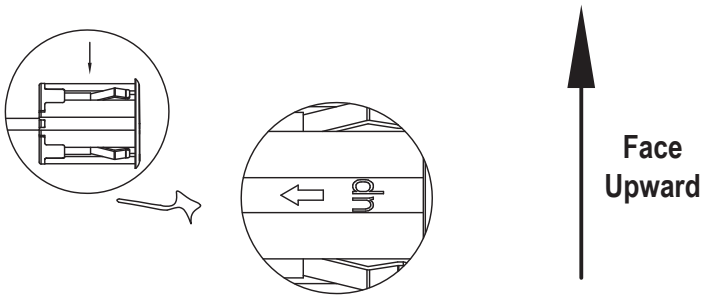


# Sensor Mounting

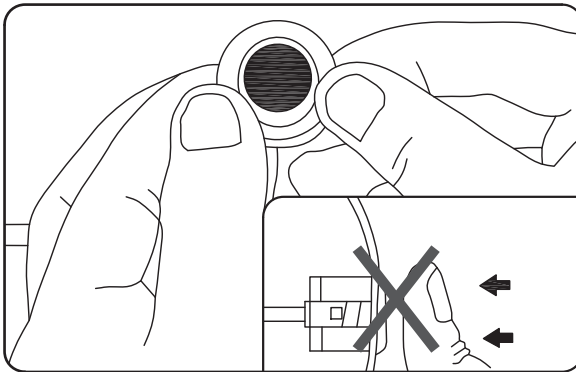
Be sure to use the hole saw that is supplied with the kit for proper fitment of the sensors.



**Note:** Ensure that the UP on the sensor is facing up.



**Caution:** When installing the sensors, be sure to press the sides of the sensor not the center.



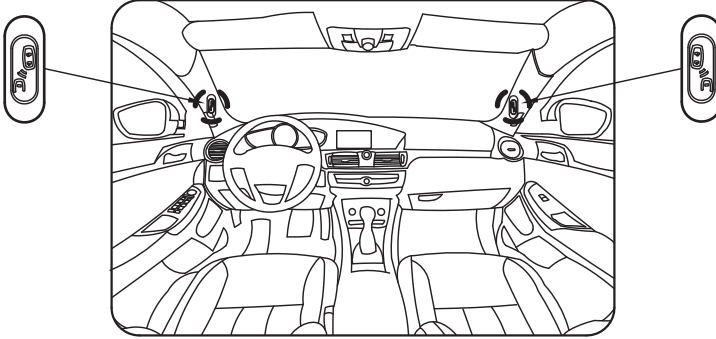
After the sensors have been mounted, connect each sensor to the proper connector on the routed harness. Once all of the connections have been made, connect the main harness into the control unit.



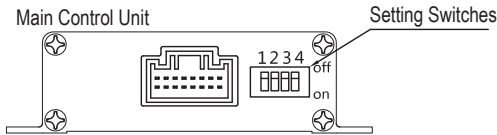
# Warning LED's

Identify the best mounting location for the warning LED's. This is usually towards the base of the A-pillar near where it connects to the dash. Clean the area and allow it to dry. Adhere the warning LED's using the pre-applied 3M tape.

**Caution:** When routing the wiring for the LED's be sure that they will not be pinched, cut or entangled in any moving parts.



# PROGRAMMING

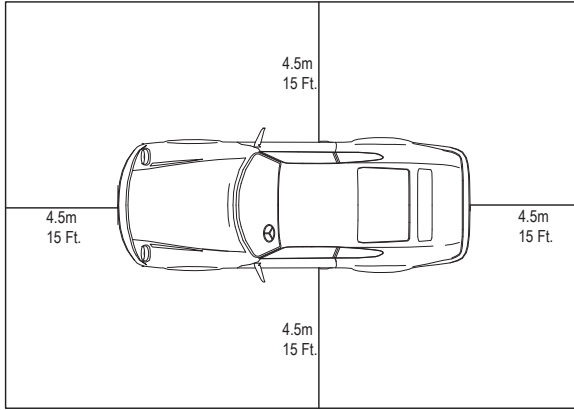


No.	Switch Position	Definition	Notes
1	Off	NO FUNCTION	
	On		
2	Off	4 sensor operation	Default Setting
	On	2 sensor operation	
3	Off	System ON with Ignition	Default Setting
	On	System ON only with turn signals	
4	Off	NO FUNCTION	
	On		

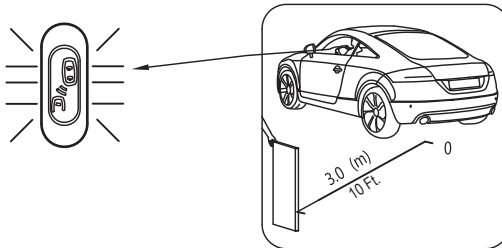
**Note:** After you have changed any settings, power OFF the system and then power it ON for the settings to take effect.

# Validation Test

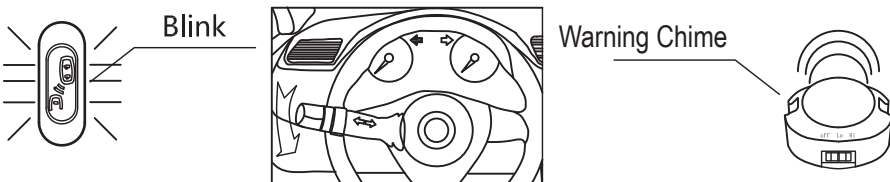
All testing should be performed in an open area with at least 15 feet (4.5 meters) of clearance on all sides of the vehicle. Once in the open area, be sure that the system is not detecting any objects. If the system is giving an alert and you have checked to see that there is nothing within 15 feet (4.5 meters) of the vehicle, consult the troubleshooting section for possible solutions.



1. Turn the vehicle's ignition to the ON position. Place the vehicle into PARK (if not already) or put the vehicle into neutral and apply the parking brake if it is a standard transmission.
2. Utilizing a wood panel (1x3 Ft./30x100cm), place it within 10 Ft of the center of the left rear sensor. This should trigger the left warning LED.

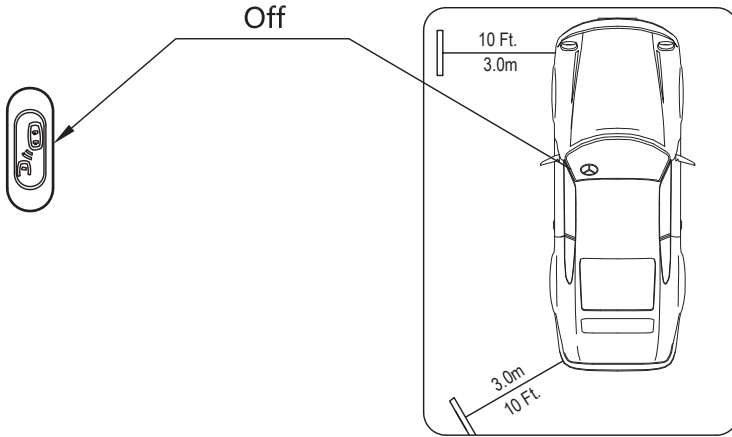


3. Turn the left turn signal to the ON position, repeat Step 1. This should trigger the left warning LED and the warning chime.



# Validation Test

- Utilizing a second wood panel of the same size, place it within 10 ft of the center of the left front sensor and either have a helper hold it or create a base so that it can be self-standing. Now using the piece of wood from the previous test, place it within 10ft of the center of the left rear sensor. This should give you NO warnings at all with or without having the turn signal on.



- Repeat steps 2-4 for the right side of the vehicle. Once all of the tests have been completed and passed, the validation testing is done.

# Troubleshooting

- No response during validation testing.
  - Make sure that there is no object being detected by the front sensors.
  - Check the harness connections according to the wiring diagram.
  - Check the fuse and wiring. Be sure you have ignition and ground.
- Warning LED's trigger on opposite side of vehicle.
  - Check the wiring connections according to the wiring diagram
- The warning LED is ON even when there is no object in the Blind Spot Zone.
  - Check to see if the UP on the sensor is facing in the UP direction (towards the sky).
  - Make sure the installation height meets the required measurements.
- The turn signal lever is to the ON position, but the vehicles turn signal light is not ON.
  - Check the turn signal wiring connection point to ensure that the factory wire was not accidentally cut..
  - Check the bulb to be sure that it is still in good working condition.

# CRIMESTOPPER

## SECURITY PRODUCTS

### LIMITED WARRANTY

Rockford Corporation offers a limited warranty on all Crimestopper products as detailed below and on the following terms:

### ALL SAFETY PRODUCTS

- **Length Of Warranty**  
1 Year

### SECURITY and REMOTE START PRODUCTS

- **Length Of Warranty**

Limited Lifetime, Crimestopper will repair or replace defective modules with a comparable new or refurbished module during reasonable usage and the lifetime of the vehicle in which it is originally installed provided that the module is returned to Rockford, shipping pre-paid and accompanied by a legible copy of the original sales receipt from the authorized dealer containing; the consumer's name, authorized dealer's name, date of purchase, item or sku number, product description, and the year make and model of the vehicle in which it is installed. The additional componentry of the system, including but not limited to remotes, antennas and harnesses, are covered by a one year warranty from the date of original purchase. Products received for repair or replacement without proof of purchase from an authorized dealer will be denied

- **What Is Covered**

This warranty applies only to Crimestopper products sold to consumers by authorized Crimestopper dealers in the United States of America. Products purchased by consumers from an Authorized Crimestopper Dealer in any other country are covered only by that country's Distributor and not by Rockford Corporation.

- **Who Is Covered**

This warranty covers only the original purchaser of Crimestopper product purchased from an authorized Crimestopper dealer. In order to receive service, the purchaser must provide Rockford Corporation with a copy of the original sales receipt stating the customer name, dealer name, product purchased and date of purchase. Products found to be defective during the warranty period will be repaired or replaced with a product deemed to be equivalent at Rockford's sole discretion.

- **What Is NOT Covered**

- Damage caused by accident, abuse, improper installation, operations, water, and theft
- Any cost or expense related to the removal or reinstallation of product
- Any product which has had the serial number defaced, altered, or removed
- Subsequent damage to other components
- Any product not purchased from an authorized Crimestopper dealer

- **Limit On Implied Warranties**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Rockford Corporation any other liability in connection with the sale of the product.

- **How To Obtain Service**

Please call 1-800-998-6880 for Rockford Customer Service. You must obtain an RA# (Return Authorization number) to return any product to Rockford Corporation. You are responsible for shipment of product to Rockford. [cs.support@rockfordcorp.com](mailto:cs.support@rockfordcorp.com)

[www.CrimeStopper.com](http://www.CrimeStopper.com)

Phone: (800) 998-6880

Fax: (800) 366-6724

Email: [cs.techsupport@rockfordcorp.com](mailto:cs.techsupport@rockfordcorp.com)

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