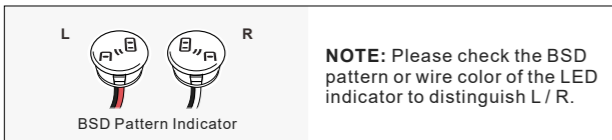
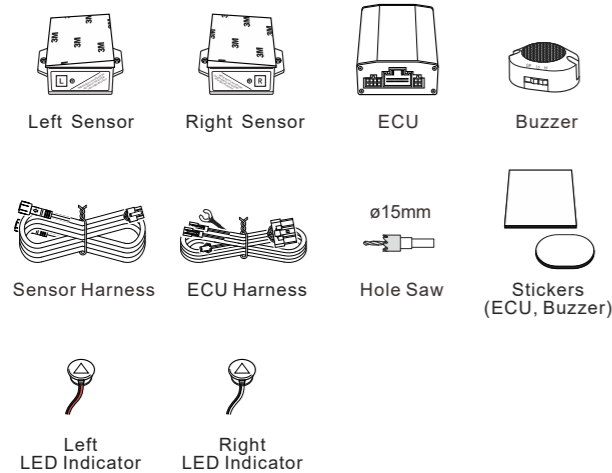


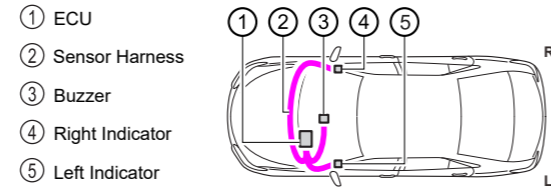
# Blind Spot Detection Kit Microwave Sensors Installation Guide

**NOTE: Please read thoroughly before starting installation and check that kit contents are complete.**

Items Included in the Kit:

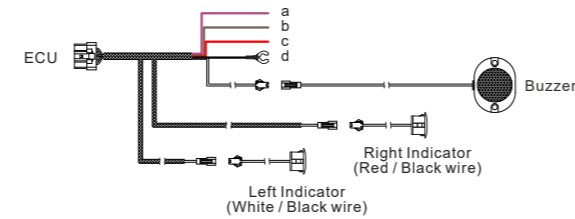


## 1 ECU Harness Wiring



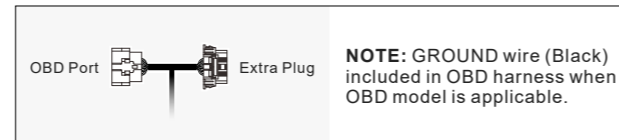
### 1.1 ECU Harness Connection for LEFT-HAND TRAFFIC

- a. PURPLE : RIGHT TURN SIGNAL positive wire
- b. BROWN : LEFT TURN SIGNAL positive wire
- c. RED : IGNITION (ACC)
- d. BLACK: GROUND

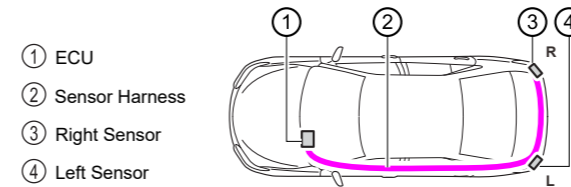


### 1.2 For RIGHT-HAND TRAFFIC

- a. PURPLE : LEFT TURN SIGNAL positive wire
- b. BROWN : RIGHT TURN SIGNAL positive wire

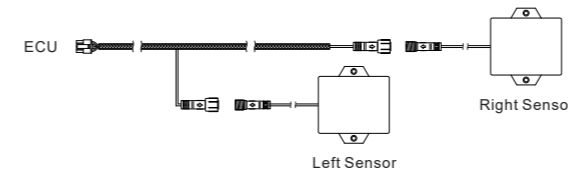


## 2 Sensor Harness Wiring



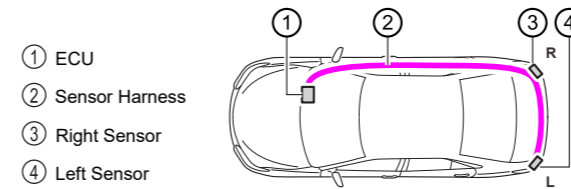
### 2.1 Sensor Harness Connection

Check the mark/label on the top of sensors, **L** for Left Sensor and **R** for Right Sensor.



### 2.2 For RIGHT-HAND TRAFFIC

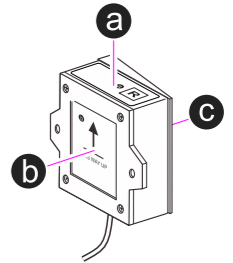
Routing the Sensors Harness on right-hand side, simply lead the longer end of the sensor harness to the rear-left for the left sensor.  
**NOTE:** Make sure that Left/Right Turn Signal wires in the ECU harness are connected as the Right-hand traffic type (See 1.2).



## 3 Sensors Installation

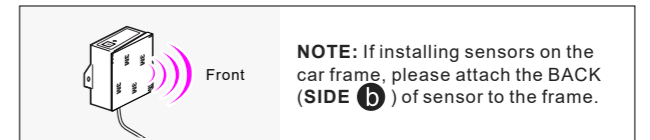
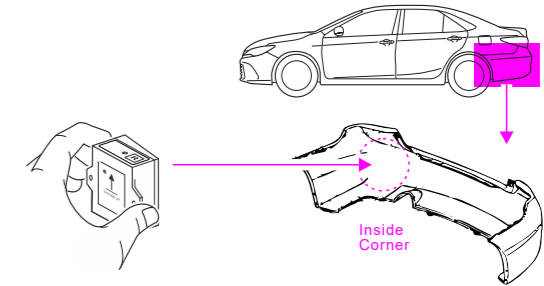
### 3.1 Sensor Direction

- SIDE a** : TOP - The side with R/L signs - Face Upward
- SIDE b** : BACK - The side with screws - Face to car frame / interior
- SIDE c** : FRONT - The side with 3M sticker - Face to outside / detection zone.



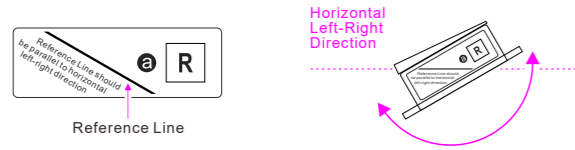
### 3.2 Installation Location

Microwave Sensors should be installed inside the rear bumper. Take the rear bumper off, locate a spot in the **inside corner of the rear bumper** and 18in (45cm) height from the ground for installing the sensor. See 3.3 for details.

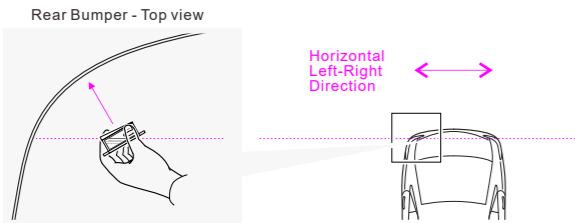


### 3.3 Sensor Installing Angle

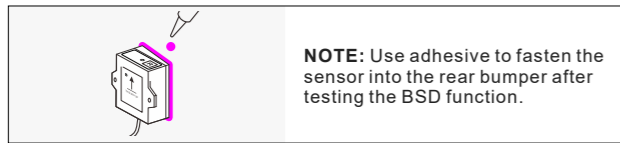
Check the **Reference Line** on the TOP (**SIDE a**) of the sensors, adjust the sensor angle to make Reference Line parallel to the horizontal left-right direction.



Once the Reference Line match the parallel line, hold this angle and attach the sensor onto the **inside corner of rear bumper** with double-sided sticker in the FRONT (**SIDE c**) of the sensor.

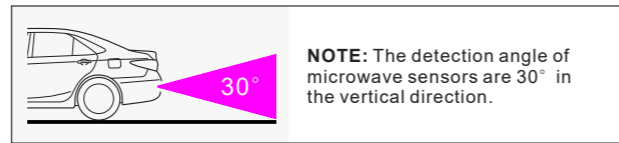
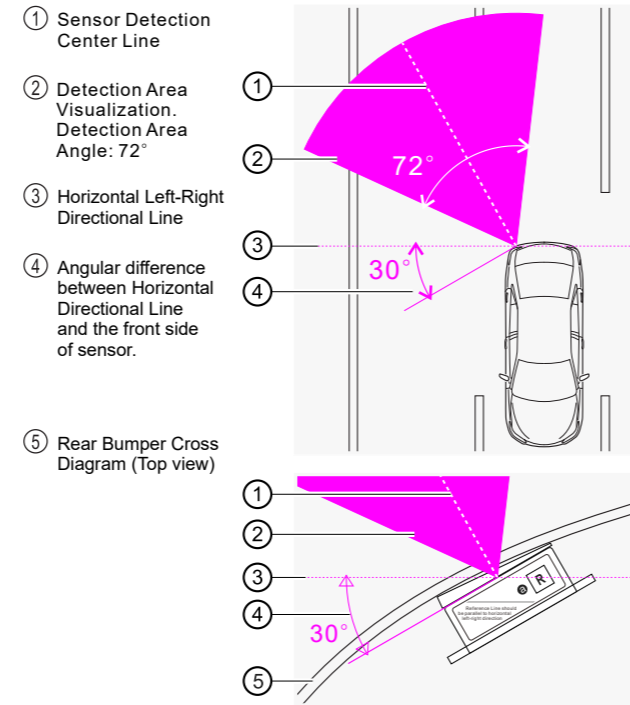


Connect the sensors to the Sensor Harness after finish mounting the sensors on both sides, and install the rear bumper back to the car body.



**NOTE:** Use adhesive to fasten the sensor into the rear bumper after testing the BSD function.

### 3.4 Sensor Detection Range

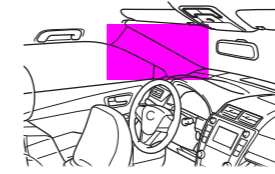


**NOTE:** The detection angle of microwave sensors are 30° in the vertical direction.

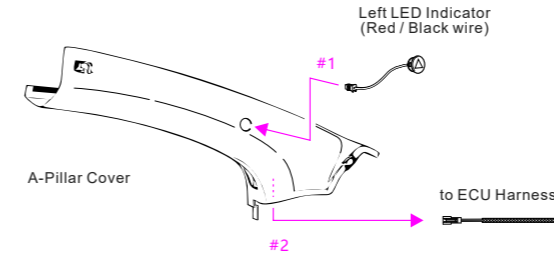
## 4 Indicators Installation

### 4.1 A-Pillar Indicators

Remove the A-Pillar cover, check for a suitable location for drilling mounting hole (no obstructions behind). Drill the mounting hole into the pillar cover with supplied  $\phi 15\text{mm}$  hole saw (**Drill in counter-clockwise rotation**).



Insert the LED indicator in the proper orientation. Route down the A-Pillar and connect to the ECU Harness. Re-install the A-Pillar covers.



**NOTE:** DO NOT drill into the pillar cover prior to removing it and checking for the obstructions.

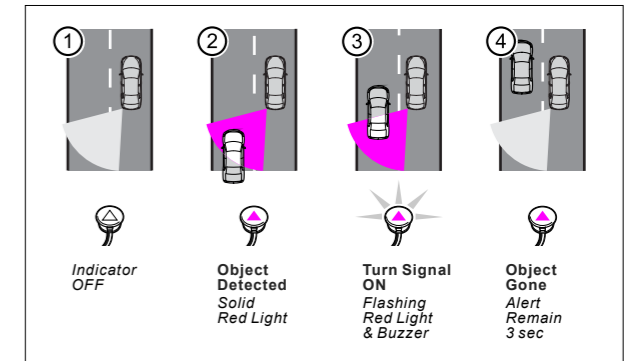


**NOTE:** Mount the Alert Buzzer under the dash where sill accessible for the volume control.

## 5 Operating Guide

### 5.1 BSD Function

System will become engaged once the vehicle is running. The microwave sensor system will only detect the moving objects within the blind spot of your vehicle (①). Only when the speed of the object vehicle in the blind spot is greater than your current traveling speed, the system will detect and alert the driver via the indicator (②,③).



If the turn signal is activated while an object is detected (②,③), The system will alert the driver with the flashing visual indicator and audible buzzer alert at the same time. The system will keep visual indicator and audible buzzer alert for 3 seconds after the detected object have left the detection area (④).

**NOTE:** Detection performance may be affected by the extreme weather conditions (such as rainstorm and blizzard).

