

BLIND SIDE WARNING SYSTEM
PART Number: MBSW4

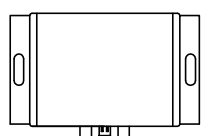
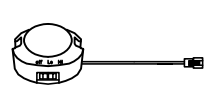



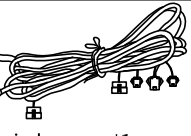



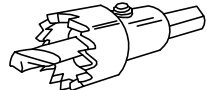


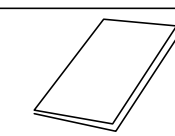


Installation guide

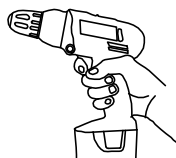

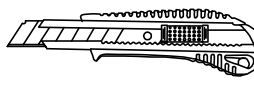
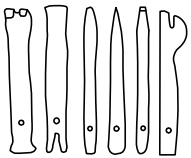

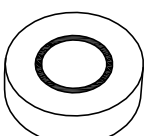
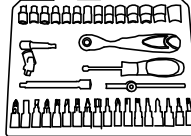
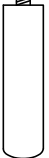
Note

1. This product could be installed on 12V vehicle, please verify the function before installation;
2. In order to lay the harness, please put the control box in the left side of the trunk;
3. Connect the sensor harness according the label on the harness;
4. Please make sure the harness far away from the vent pipe, engine and other hot parts, and don't drag by big force;
5. Please wrap the brake cable by insulation tape;
6. Please clean the ice, mud and dust on the sensors. Painting will also affect the detection ability;

Parts list

 Control box*1 pc	 Buzzer*1 pc	 BSA sensor*4 pcs
 extension wire for right warning light * 1pc	 Warning light*1 pair	 main harness *1 pc
 front sensor harness *1 pc	 rear sensor harness *1 pc	 Vecrol *1pc
 ø22 hole saw *1 pc	 Cable tie *5 pcs	 Installation guide *1 pc
 Users' manual*1 pc		

Installation tool

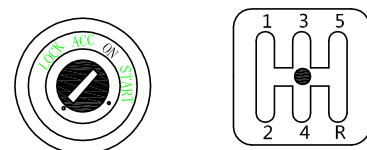
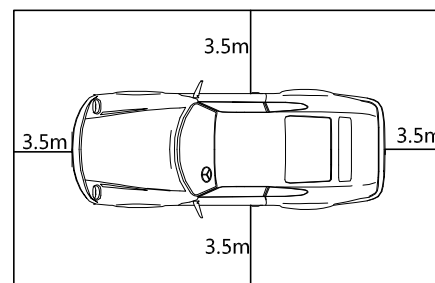
 Electrical drill	 Tape measure
 Knife	 Plastic crowbar
 Multimeter	 Insulation tape
 Tool kit	 Silicone gule

Trouble shooting

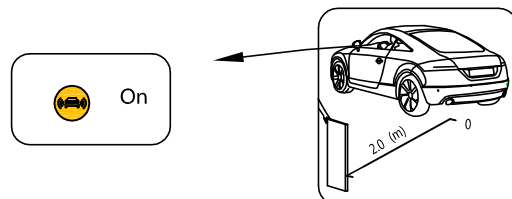
1. No response while verify the function:
(1) Make sure there's no object being detected by front left and right BSA sensors;
(2) Check the harness connection according to the wiring diagram;
(3) Check the fuse;
2. Please check the connection of the sensor, if the object and warning light direction is different;
3. The warning light is always on even there's no object. Please check if the sensors detect the ground, make sure "UP" or "↑" face upward and installation height meets requirement.
4. When the turn light is on, the warning light will be lit but not blinker, please kindly check the connection of the turn light wire.

Function verification

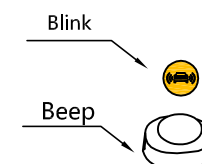
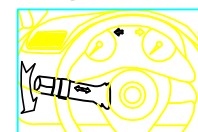
1. Driving the vehicle to an open air (similar as the picture showed as below), and make sure there's no objective being detected by 4 BSA sensors;



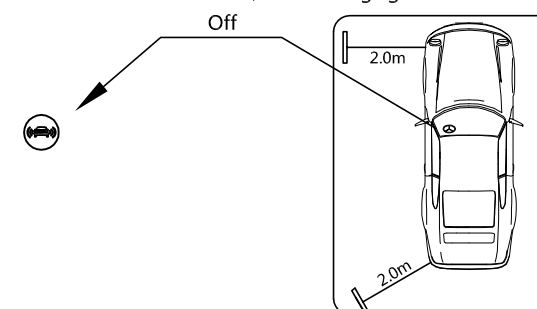
2. Put a wood panel (30*100cm) in the front of the rear left BSA sensor, the left warning light will be lit;



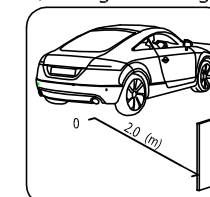
3. Turn on the left turn light, the left warning light will blinker and the buzzer will give out warning beep twice (BI--BI--);



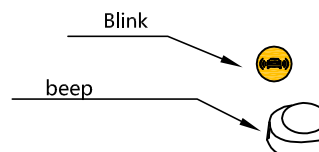
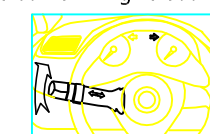
4. Fix the wood panel, and put another wood panel (30*100cm) in front the front left BSA sensors, the warning light be turned off;



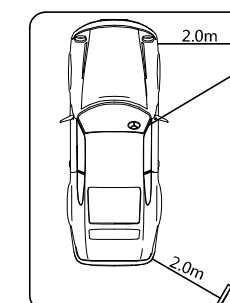
5. Put a wood panel (30*100cm) in the front of the rear right BSA sensor, the right warning light will be lit;



6. Turn on the right turn light, the right warning light will blinker and the buzzer will give out warning beep twice (BI--BI--);



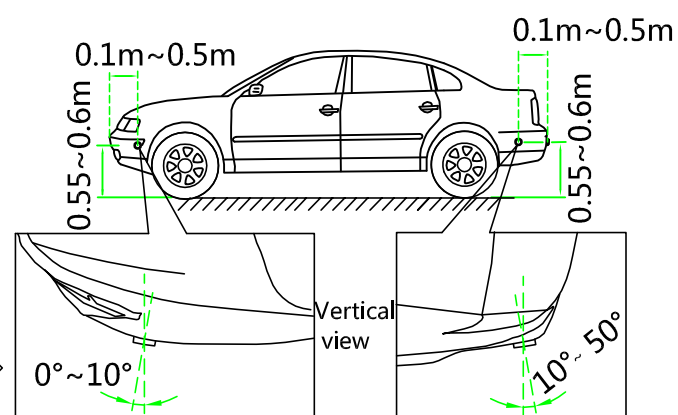
7. Fix the wood panel, and put another wood panel (30*100cm) in front the front right BSA sensors, the warning light be turned off;



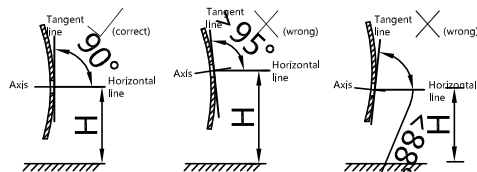
Sensor

1. Please mark the installation position according to the following instruction;

(1) Installation height and horizontal position:



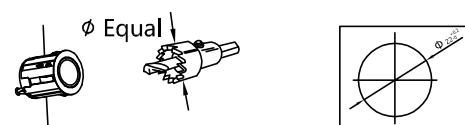
(2) The axis of the sensor should be parallel to the horizontal line, please kindly see the pictures as below:



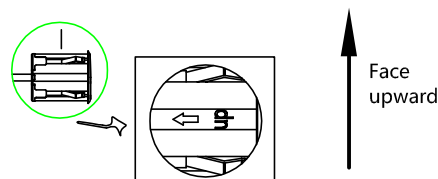
(3) Please make sure the installation space behind the sensor is big enough and no interference.



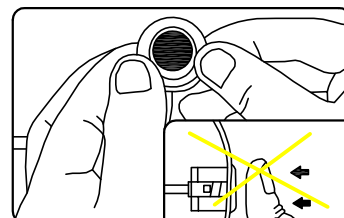
2. Make sure the size of hole saw and sensors are the same before drilling;



3. The sensor "up" should face upward;



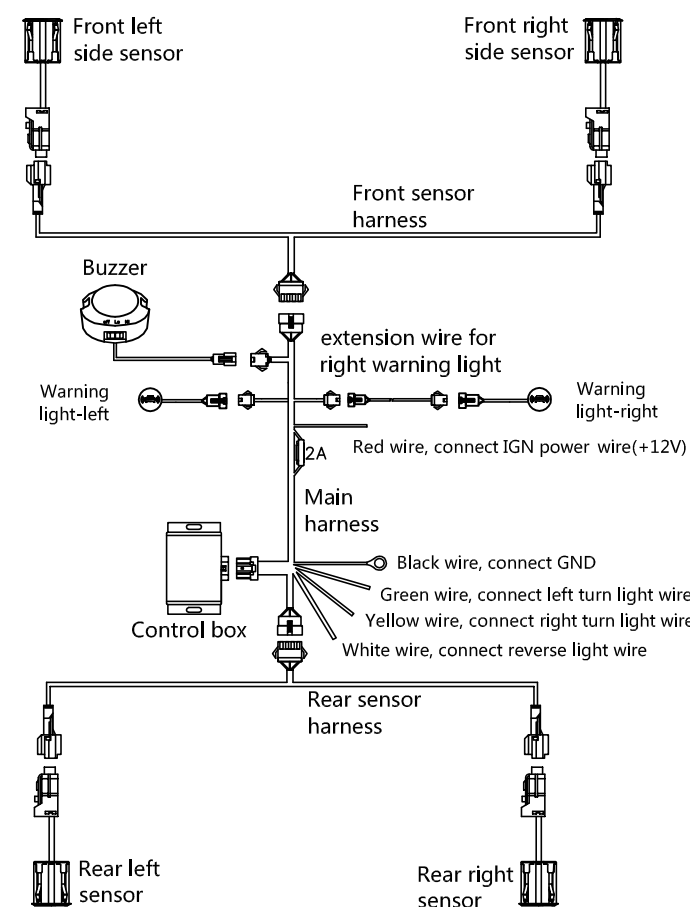
4. Press the sensors by two thumbs and make the sensor body installed in the bumper closely;



5. Sensor and sensor harness connection: connect one by one.

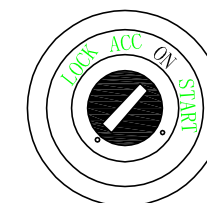
Wiring diagram

1. Wiring diagram;

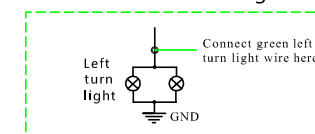


2. The main harness should be laid along the left side the vehicle from trunk to cabin;

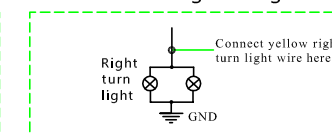
3. Connect power wire(red), when the key turned to "on", the system will be on; when the key is turned to "ACC or LOCK", the system will be off;



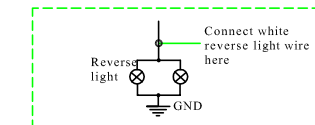
4. Left turn light wire (green) connection: Please find the left turn wire at the left tail light.



5. Left turn light wire (yellow) connection: Please find the right turn wire at the right tail light.



6. Reverse light wire (white) connection:



7. GND (black) connection:

Connect the ground ring (black wire) to a metal part of vehicle body.

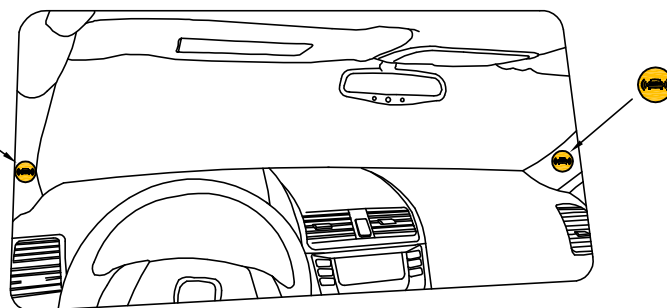
8. In order to avoid short circuit, please wrap any brake harness by insulation tape;

Warning light

1. Install the warning light on the A pillar, the installation position should be easily seen by drivers;

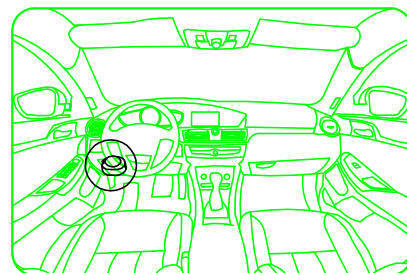
2. Installation of LED :

(1) Method one: Clip the warning light on the A pillar by metal clip;
(2) Method two: Stick the warning light on the A pillar.



Buzzer

1. The buzzer is suggested to install under the left side of the steering wheel;
2. The buzzer is fixed by 3M. Please clean the surface before stick the buzzer.



Control box

1. In order lay the harness to front of vehicle easily, the control box is suggested to lay at the left side of the trunk;
2. The control box is fixed on the metal part of the vehicle by velcro. Please clean the surface before stick.

