
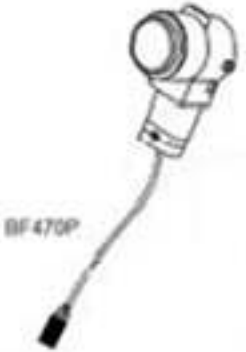
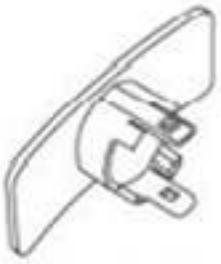

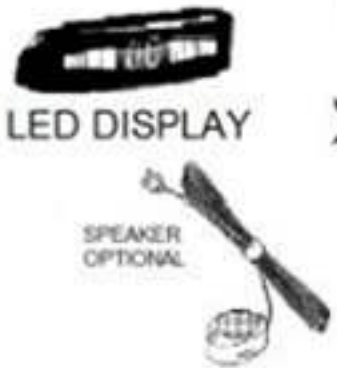


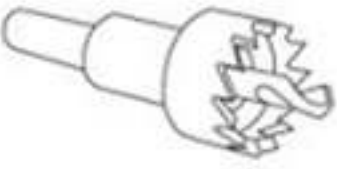
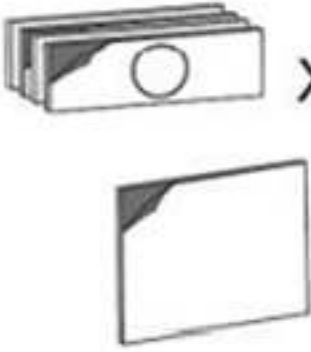
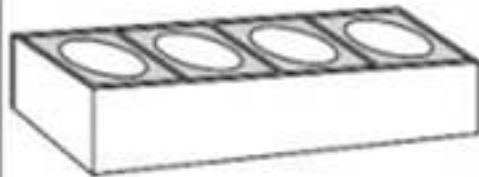


1. Kit Contents

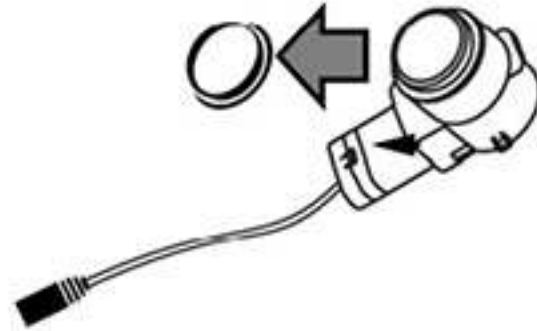
 <p>A</p> <p>X1</p>	 <p>B</p> <p>X4</p>	 <p>C</p> <p>X4</p>	 <p>D</p> <p>X1</p>	 <p>E</p> <p>LED DISPLAY X1</p> <p>SPEAKER OPTIONAL</p>
 <p>F</p> <p>EXTENSION CABLES</p> <p>X4</p>	 <p>G</p> <p>Power Wire X1</p>	 <p>H</p> <p>X1</p>	 <p>I</p> <p>X4</p> <p>X1</p>	 <p>J</p> <p>Paint Mask X1</p>

2. Painting the Sensors

1) Preparation

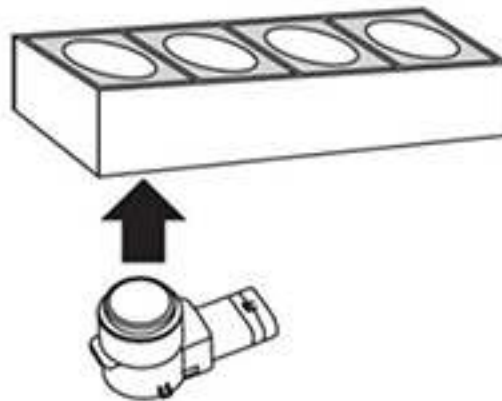
For BF470P

Make sure the silicon rubber rings are not installed around the sensor head



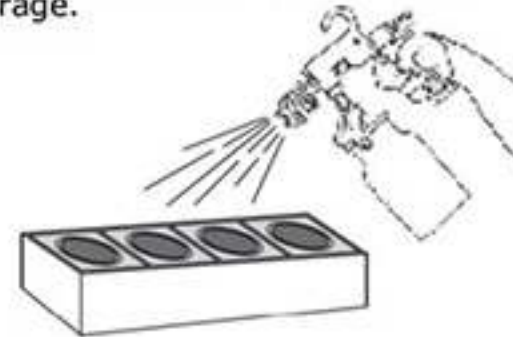
2) Sand the surface of sensors with a *fine sandpaper* (1000 or 1200 grit) for better paint adhesion. Clean the sensor well to be free from sanding dust.

3) Place the sensors inside the paint mask box (provided).

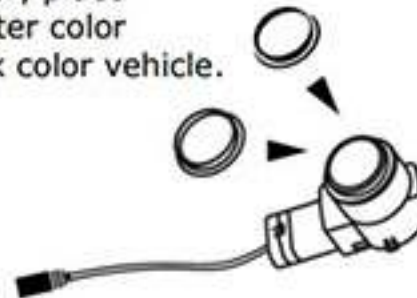


4) Spray and paint

Apply a thin coat of paint. Let it dry then paint again for better paint coating coverage.

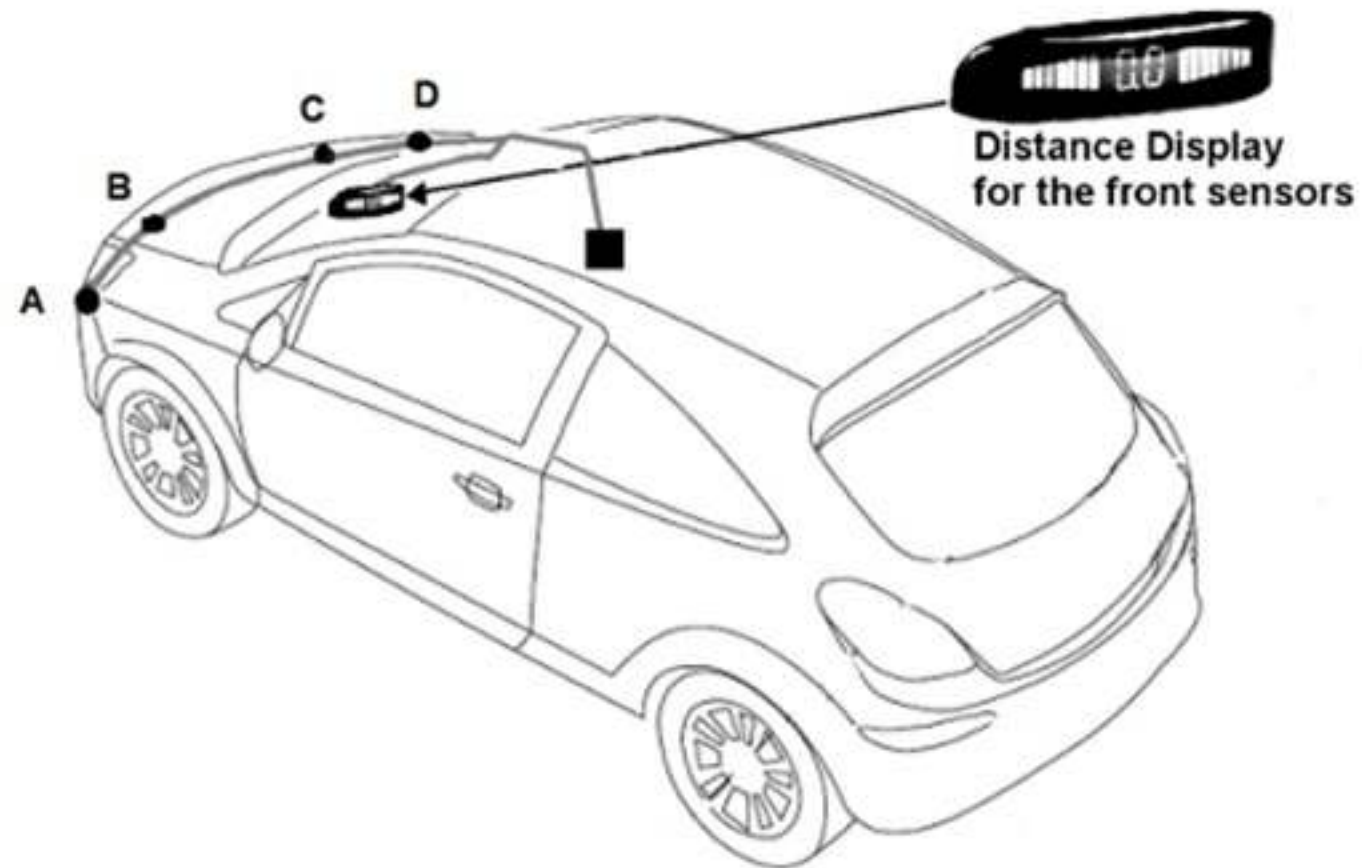


5) Depending on the vehicle body color, place white silicon rubber rings for a lighter color vehicle, place black rings for a dark color vehicle.



3. System Overview

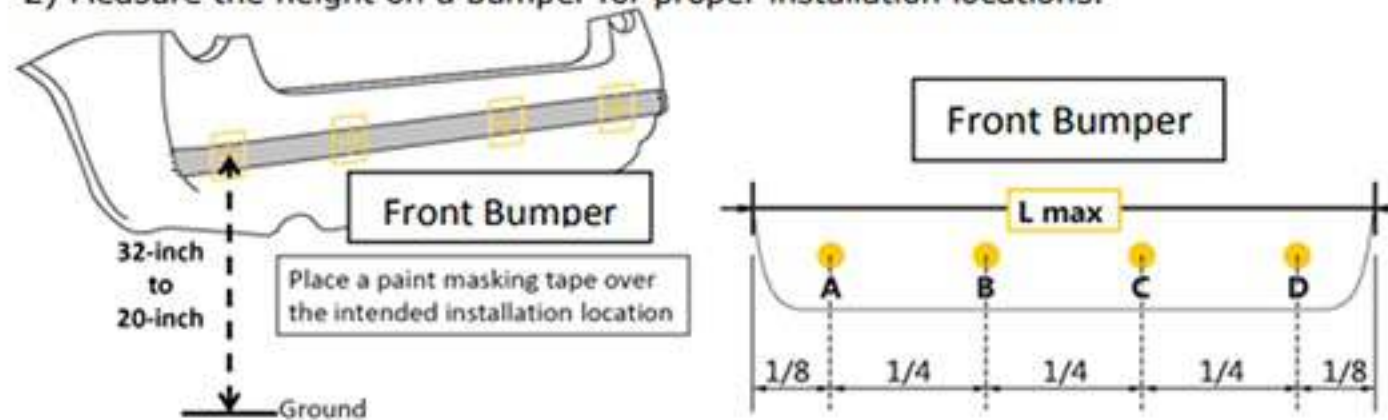
For a Passenger Car



Place the LED display and control box inside a vehicle. Avoid from water damages. The beeping sound from LED display will indicate the distance between the sensors and the object. Shorter pitch tone sound indicates getting closer to objects.

4. Front Sensor Installation

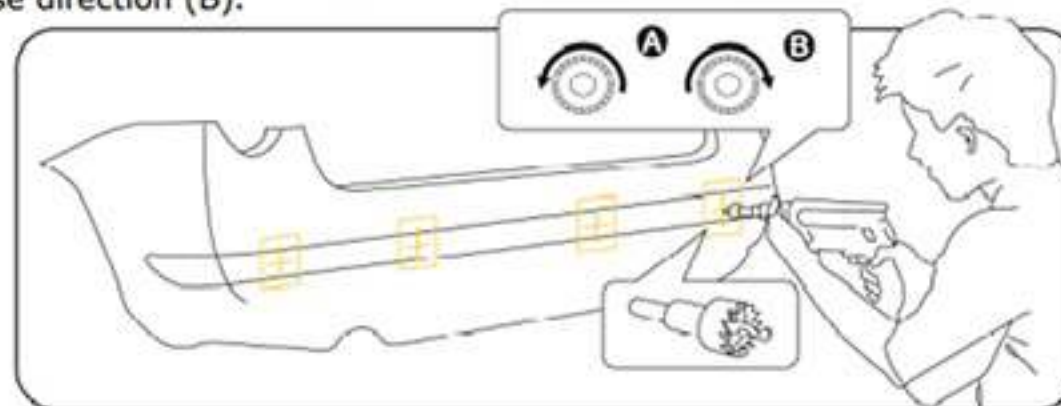
- 1) The proper placement of the sensors is important both for appearance and for the proper operation of the unit. Sensors should be mounted at 90° angles to the ground. It is important to avoid obstructions caused by bumper shape.
- 2) Measure the height on a bumper for proper installation locations.



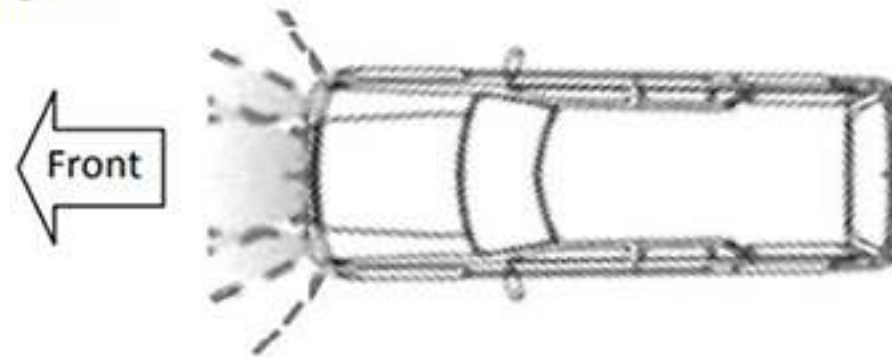
- 3) Generally, it is the best to mount the sensors as high as possible in the bumper. Use paint masking tape and mark the location as above diagram for the proper spacing of the sensors.

Important!
**MUST CHECK BEHIND THE BUMPER FOR ANY METAL BRACKETS
OR INTERNAL BRACES BEFORE DRILLING**

- 4) Also be sure that the bumper surface and the sensors will fit at 90° to the ground. Make sure the hole surface is clean and start cutting the bumper surface in counter clockwise direction (A) first to prevent from paint to chip, then drill the hole in clockwise direction (B).



For both BF470P and BF450PM, it is recommended to place the two front sensors at the two front corners of a vehicle. Height should be between 20 to 32-inch and it is the best to place 2 sensors (sensor A & D) at 45-degrees location for the front corners distance detection. The front sensors distance detection range is 0 to 4-feet. **Connect the BRAKE wire (GREEN) to a positive charge wire of the vehicle brake light.**



BF470P sensors MUST be installed inside the bumper and only the sensor head to exposed to outside. Bumper removal is required for this installation.

