











Commercial Backup Sensor

FLTW-3050



Recommended Tools				Difficulty Level
 Wrench	 Wire Strippers	 Wire Cutters	 Electrical Tape	
 Screw Driver	 Panel Removal Tool	 Zip Ties	 Socket Set	Install Time
<p>Questions? Call the Brandmotion technical support line at (734) 619-1250 or CLICK HERE</p>				 1hr 30m - 2hr

Kit Contents

Components for installing the *FLTW-3050*



Kit Contents:

4x Ultrasonic Sensors with ABCD markings

Electronic Control Module (ECU)

LED Display with Sounder

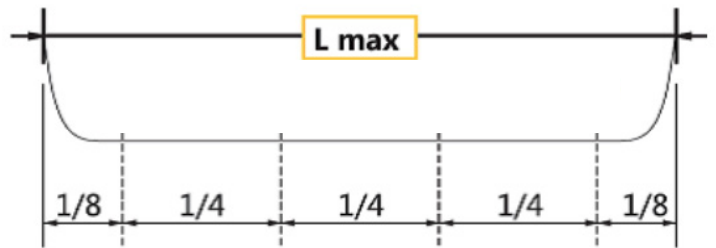
15m LED Display Wiring Harnesses

Sensor Installation

Part 1

The Brandmotion Rear Park Aid (RPA) is designed to be a convenience aid to assist in backing your vehicle towards other vehicles and obstacles. It is not a safety system. Normal visual vigilance while backing is still recommended.

1. Space 4 sensor positions equidistant apart horizontally apart from both sides of bumper.
2. The sensors must be positioned on an area of the bumper that has a flat vertical surface. The front surface of the sensor should be perpendicular to the road surface.
3. Mount sensors under flat area with 2 mounting screws
4. After all 4 sensors are installed, connect the pigtail of the sensor to the ECU wires in order of A B C D from left to right



ECU Installation

Part 1

Reverse Signal, Power & Ground

1. Locate 12v reverse wire at the tail lamp or using multi-meter or test light
2. Splice red wire to the vehicles 12V reverse wire. (Recommended: Solder all connections)
3. Splice black wire to good vehicle ground.

Part 2

ECU Installation

1. Mount the ECU firmly with the adhesive tape or screws through the mounting tabs
2. Connect the 4-pin LED display harness
3. Run the 4-pin harness to the front cab of the vehicle in the area the LED display will be mounted.

LED Display Mounting

Part 1

1. Connect the 4-pin harness to the LED display
2. Mount the LED display onto the dash.
3. Use the supplied sticky tape or other fastening method.

General Comments

Part 1

1. Drive slowly backwards to test. Measure detections to obstacles or vehicles with a tape measure. Note the actual measuring range is very deceiving to the driver. In general you are further away than you think!
2. Use a large size test obstacle, such as a large diameter pole. (Greater than 6 inches in diameter), or a wall (perpendicular).
3. Certain objects will be harder to detect, depending on its size, angular shape (geometry), and material.
4. If many false alarms are heard then it may be due to:
 - Sensors are pointed downwards at the ground. They should be at zero degrees or pointed slightly upwards a couple degrees.
 - Certain road surfaces, gravel, large bumps in road.
 - Driveways slanted up or down, curbs, bushes.
 - Sensors covered with snow, ice, dirt, mud, paint, grease, heavy rain.
 - Metal bumpers may require an isolator ring for each sensor.
 - Loose sensor.
 - Interference from other noise source, RPA system, ultrasonic range devices.