

# Curb- Alert™ Mini Sensor Calibration

**Note:** The sensor calibration should be completed with the vehicle not running. With vehicles wired to a circuit that senses alternator voltage such as the battery, an ignition switch circuit, or fuse block, start your vehicle to activate the Curb Alert unit. The buzzer should “chirp” 4 times to notify you that the sensor has been activated in any of the wiring modes. Then shut off the engine. The Curb Alert will shut off automatically in approximately 20 minutes after the vehicle is shut off- this allows time for sensor calibration with the car not running. If you need more time to calibrate your sensor, restart your vehicle, shut it off, and your Curb Alert will be activated again.

- After mounting the Curb Alert sensor to your vehicle as described in the installation instructions, tighten the allen head screw to the near tight position. This will allow the sensor to rotate for curb height detection adjustment.
- Now, you need to measure the ground clearance from the lowest part of your fascia to determine what curb height you want to detect to protect your front end. If your lowest ground clearance point is 5 in., please adjust your curb height alert to 3-4 in. to prevent any curb damage. Place either the 3 in or 4 in. high side of the packing box (or any box with the desired height) on the floor @ 20 in. or your desired alert distance from the bumper front or lower fascia front (directly in the front of the sensor). Setting the curb height too low will result in false road alerts!

## Sensor Calibration- Distance Alert Adjustment

1- Rotate the sensor housing to a position parallel to the pavement. Place a large target box (8 in. high) at your desired alert distance from the front end of your vehicle. Suggest 20 in. as a starting point.

2-Then press and release the red distance calibration button on the Control Box. You will hear a double beep or constant tone indicating that you have set the alert distance. If you don't hear the a double beep or constant tone when pressing the distance calibration button, then the sensor is not aimed at the target box. Once you hear the double beep or constant tone, slide the target box back several inches and then move it forward. A constant tone indicates the target box is being sensed and that your alert distance has been calibrated to that distance from the front of your vehicle.

3- Again, move the target back several inches and slide it forward to recheck the alert distance. You should now hear a constant tone indicating that your target is being sensed at your calibrated alert distance. Your Curb Alert unit is now in the **calibration mode** with a constant tone.

## Sensor Calibration- Curb Detection Height Adjustment

1- Now you need to adjust your curb detection height. Place the shipping box (either the 3 in. or 4 in. height) directly in front of the sensor at a 19 in. distance. Rotate the sensor downwards very slowly until you first hear the constant tone.

2-When your desired curb detection height is correct, tighten the allen head screw very tightly! At this point, you should recheck your curb detection distance and height to be sure that it hasn't changed from the final tightening of the allen screw.

3-To check your curb height setting with high accuracy, slowly bring the shipping box down vertically in front of the sensor at your distance alert point and measure the distance from the bottom of the box to the pavement when the calibration alert sounds. To adjust the curb height setting, rotate the sensor up or down slightly and retest for curb height setting.

4-Your Curb Alert is now calibrated to alert you when a high curb is detected at your chosen distance from the front sensor. The curb height and alert distance are easily adjustable based on your vehicle and preferences! A detection distance of 20 in. from the front of your vehicle's bumper is suggested as an initial distance setting. Modify as desired.

Your Curb Alert unit will shut off automatically in about 20 minutes after the engine has been turned off. It will then be in the **distance alert mode** with the three beep curb alert. You can also disconnect and reconnect the fuse to put the Curb Alert in the distance alert mode immediately. Your distance alert is now programmed into your Curb Alert unit. Your curb detection height has been adjusted to your desired height. If your Curb Alert unit should alert often on straight road conditions, your curb height adjustment is too low and should be readjusted.

# Curb- Alert™ Mini User Instructions

- When you start your vehicle, you will hear a “chirp” sound indicating that your **CURB ALERT™** unit is activated.
- Volume of the buzzer alerts can be set to “off”, “low”, or “high” based on your preferences.
- Approach parking curbs **slowly** for the highest accuracy. Stop when you hear the triple beep!
- Parking at an angled parking curb will reduce the stopping distance from the curb! **Park only against straight curbs.**
- You will experience curb alerts on steep inclines and declines warning that the front end of your vehicle may scrape on those steep inclines or declines. Angling your vehicle into those areas will reduce the frequency of alerts and also potential damage to your vehicle.
- **Keep your sensor lens clean for optimum performance!** The distance sensor transmits an infrared beam and requires a relatively clean lens. **Do not rely on Curb Alert in snowy conditions**, since the snow could block transmission through the lens.
- Your Curb Alert draws only 35 milliamps when activated. It will shut off automatically in 20 minutes after your vehicle is shut-off.

# Curb-Alert™ Mini Components

Sensor front view with mounting hinge



Sensor side view with mounting hinge



Power Leads



Control Box



Calibration Button

Buzzer plug

Sensor Connection

Buzzer



Top mount hinge



Cable clips



Cable ties



Hex key

