

CURB ALERT™ Professional Install Instructions

Step 1- Determine the best mounting location for the sensor unit in the center of your vehicle. With both top mount and bottom mount (under bumper) brackets included, a broad variety of sensor mounting locations are possible to mount to almost any vehicle. Measure the ground clearance of the the vehicle's lowest ground clearance point in the front fascia / air dam of the vehicle. If the lowest point is 5 inches for example, calibration of the Curb Alert unit to detect a 4 inch curb height will be required to provide adequate front end curb protection. If the sensor is mounted under the vehicle, it should be mounted as far back from the front end as possible or in a recessed / protected location to prevent damage on steep incline or declines.

Step 2- Clean the sensor mounting location with a suitable solvent to remove all wax or dirt that would reduce the adhesion of the 3M™ adhesive mounting tape on the mounting bracket. The use of 3M™ adhesion promoter 4298 is strongly recommended for plastic mounting surfaces. Remove the 3M™ release film from the bracket and mount the sensor unit to the pre-determined mounting location. Mount the sensor unit being very careful to aim the unit directly forward and centered on the vehicle.

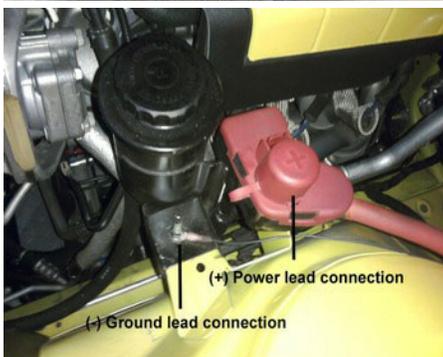
Step 3- Route the sensor cable through a convenient opening into the engine compartment (taking care to avoid any moving parts or hot areas). Use the supplied cable ties and clamps to securely fasten the cable in place. Continue routing the sensor cable into the passenger compartment through any available entry point usually a rubber grommet present on the firewall or other firewall opening. If no firewall entry point is available then a hole will have to be drilled and rubber grommet inserted in a suitable location.

Step 4- Mount the control box in the vehicle interior in a convenient location again cleaning the mounting surface and removing the release film from the 3M™ tape.

Step 5- Mount the buzzer in a convenient location in the driver or passenger side interior, again cleaning the mounting surface and removing the release film from the 3M™ tape. Plug the buzzer jack into the control box and set the buzzer volume to high initially. The red (+) and black (-) power leads from the control box can be connected directly to the battery, fuse block, or to a circuit that is activated when the ignition key is turned on. Curb Alert™ must detect voltage (>13.2 V) to activate and will automatically shut off when it does not detect charging voltage. Secure the power leads in place using cable ties to secure and plug the sensor cable jack into the into the sensor jack female extension from the control box. Please refer to the Sensor Calibration and User Instructions to complete the installation.



Professional Install Pictures



† Please note that **CURB ALERT™** acts as a curb stop parking aid, but is not warranted to prevent vehicle damage when parking. **CURB ALERT™** aids drivers in safe curb parking, but does not substitute for careful driving practices.

† **CURB ALERT™** carries a warranty limited to product replacement for defects in material and workmanship for 36 months when installed using these Installation Instructions. Road hazard and road damage are specifically excluded from this warranty.

CURB ALERT™ Sensor Calibration

note The sensor calibration is preferably done with the vehicle not running. With vehicles wired to an ignition circuit, start the engine and then shut it off to activate the Curb Alert, leaving the ignition key in the on position. With direct battery or fuse box connections, start the vehicle and shut it off. In either case, a chirp sound will signal that the Curb Alert unit is activated. The Curb Alert unit will remain on for 5 minutes to allow time for calibration with the engine not running.

- 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. Place either the 3 in or 4 in. high side of the Curb Alert packaging box on the floor 2 in. from the bumper front or lower fascia front (directly in the front of the sensor).
- Rotate the sensor housing to the full upward position. Then rotate the sensor very slowly downward until an alert is heard. Maintain the sensor in that curb height detection position. Now, move the packaging box to the distance desired for curb alerts and push the distance reset button. An audible beep should sound when the distance has been reset. You can expect to stop about 6 in. less than the distance set point selected due to your reaction time and speed after hearing the curb alert. Now, readjust the curb detection height to match the curb detection distance by slowly rotating the sensor upward and then downward until an alert is heard. Now, tighten the allen head screw very tightly.
- Place the packaging box on the floor, slide it forward slowly towards the front of the vehicle. You should hear an alert at your selected distance. If you don't hear the alert, repeat the calibration procedure. To check the sensor calibration height, you can also use the packaging box. At the selected curb detection distance, bring the box down vertically in front of the sensor and measure the distance from the bottom of the box to the ground. It should measure either 3 in. or 4 in. depending on the curb height adjustment. Note that the alarm circuit requires a 5 second delay between alerts.
- Your Curb Alert is now calibrated to alert you when a high curb is detected at a distance from 8 in. to 28 in. from the front bumper. The curb height and alert distance are easily adjustable based on your vehicle and preferences. A detection distance of 2 in. from the front of your vehicle's bumper is suggested as an initial distance setting. Modify as desired.

CURB ALERT™ User Instructions

- When you start your vehicle, you will hear a chirp sound indicating that your CURB ALERT™ unit is activated. Volume of the 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 or increase the stopping distance from the curb.
- 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.
- Since your Curb Alert unit has a distance adjustable alert, you can easily adjust the alert distance. Please refer to your **Sensor Calibration** for instructions.
- Keep our sensor lens clean for optimum performance The distance sensor transmits an infra-red beam and requires a relatively clean lens. Do not rely on CURB ALERT™ in snowy conditions since the snow could block the beam transmission through the lens
- Your Curb Alert unit is internally fused and draws only 35 milliamps when activated. It will shut off immediately if you're wired to an ignition switch when the ignition is switched off. If wired to a battery or fuse block, the Curb Alert unit will automatically shut off in 5 minutes after the ignition is switched off.