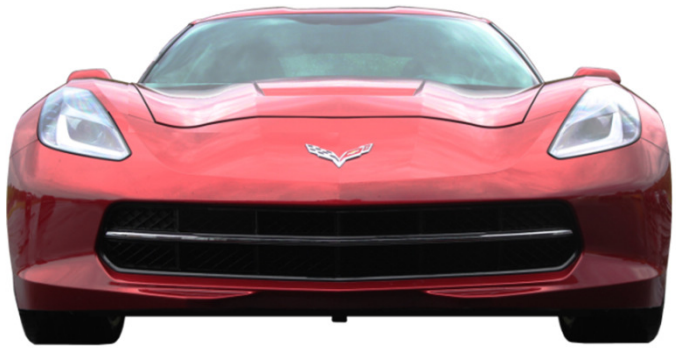
Curb-Alert™ Installation Guide: C7 Stingray

To complete this procedure, you will need the following items:

- 13mm Socket (deep or standard will work)
- Flat head screw driver
- Coat hanger that can be straightened and looped on one end or a standard “fish” tool used by many contractors.
- Plastic putty knife (or equivalent)
- Medium size box or larger (12” x 12” x 12”) or so.
- Yard stick or tape measure
- 12” or larger ruler
- Wire cutters (or scissors)
- Flashlight



Your Curb-Alert kit should include the following tools and accessories:

- Cable hold-downs
- Zip ties
- 3M Adhesion promoter
- Allen wrench
- (2) 8x1.25mm nuts

You should allow 45 minutes to an hour to complete this installation.

Caution: During part of this installation you will be touching a positive 12V DC stud. Use care when attaching the terminal to this stud. You must prevent grounding to any ground point to avoid a short circuit.

I. Prepare vehicle: Remove under-hood trim piece

Gently pull as shown. No tools required.

I. Prepare vehicle: Expose +12VDC Stud

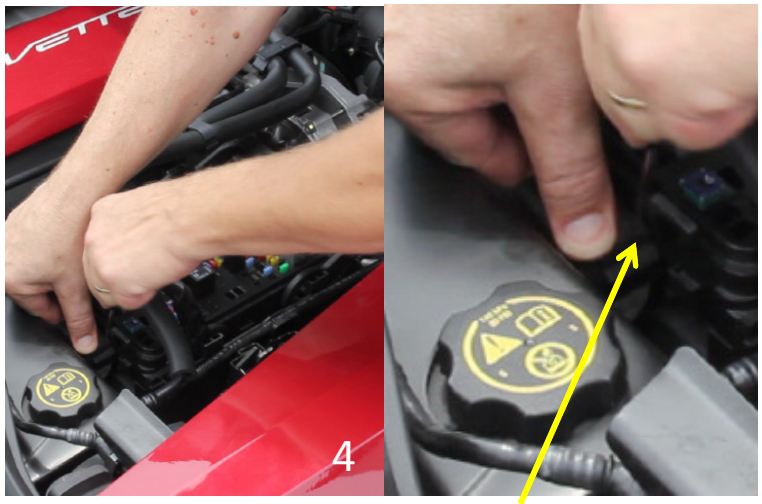
Remove Fuse Box Lid. Under hood, right side of vehicle, close to firewall.

Squeeze and pull handle UP to provide access to capped +12VDC Stud.

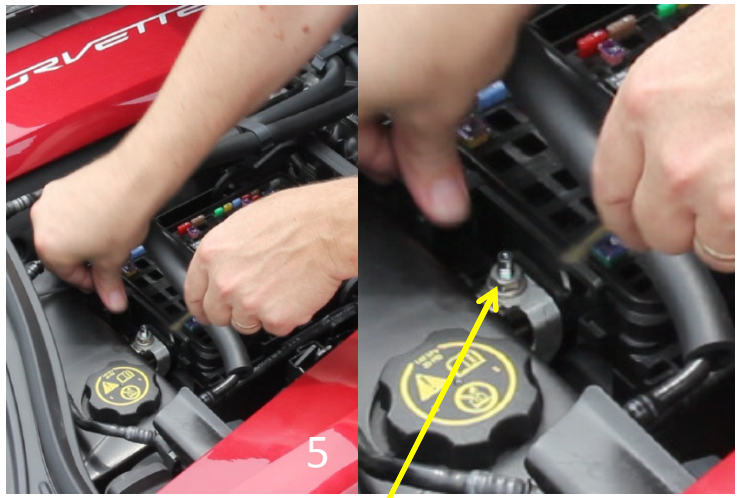
Cap to be flipped up.

I. Prepare vehicle: Expose +12VDC Stud

Using flathead screwdriver, pry edge of cap toward firewall and lift cap with thumb as shown.



Screw driver prying between fuse box housing and cap.



+12VDC stud.

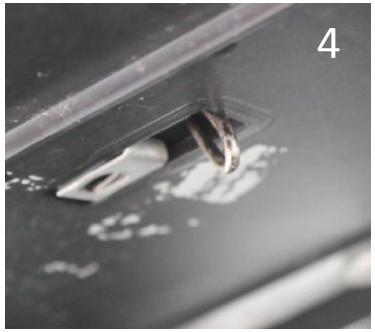
I. Prepare vehicle: Remove Door Jamb Trim

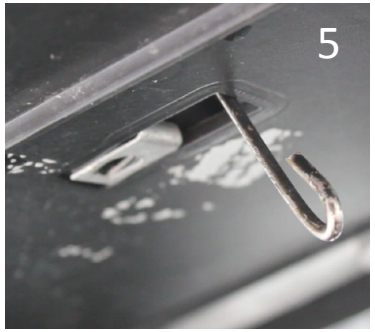
Gently pull as shown. No tools required.

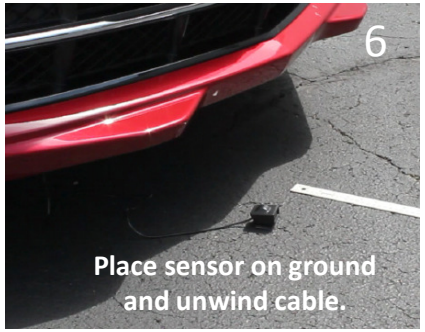
I. Prepare vehicle: Partially Remove Rubber Trim

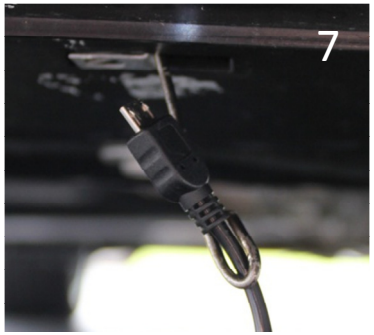
Gently pull as shown. No tools required.

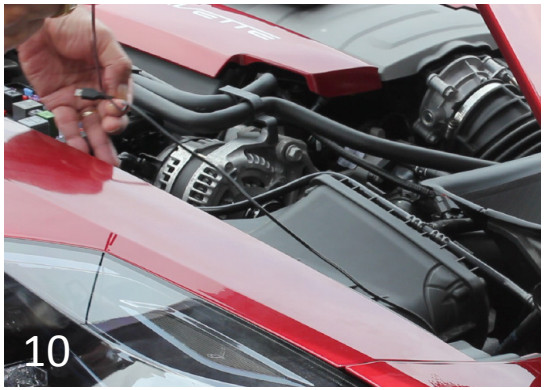
II. Pulling & Connecting Wires: Coat Hanger / Sensor Cable



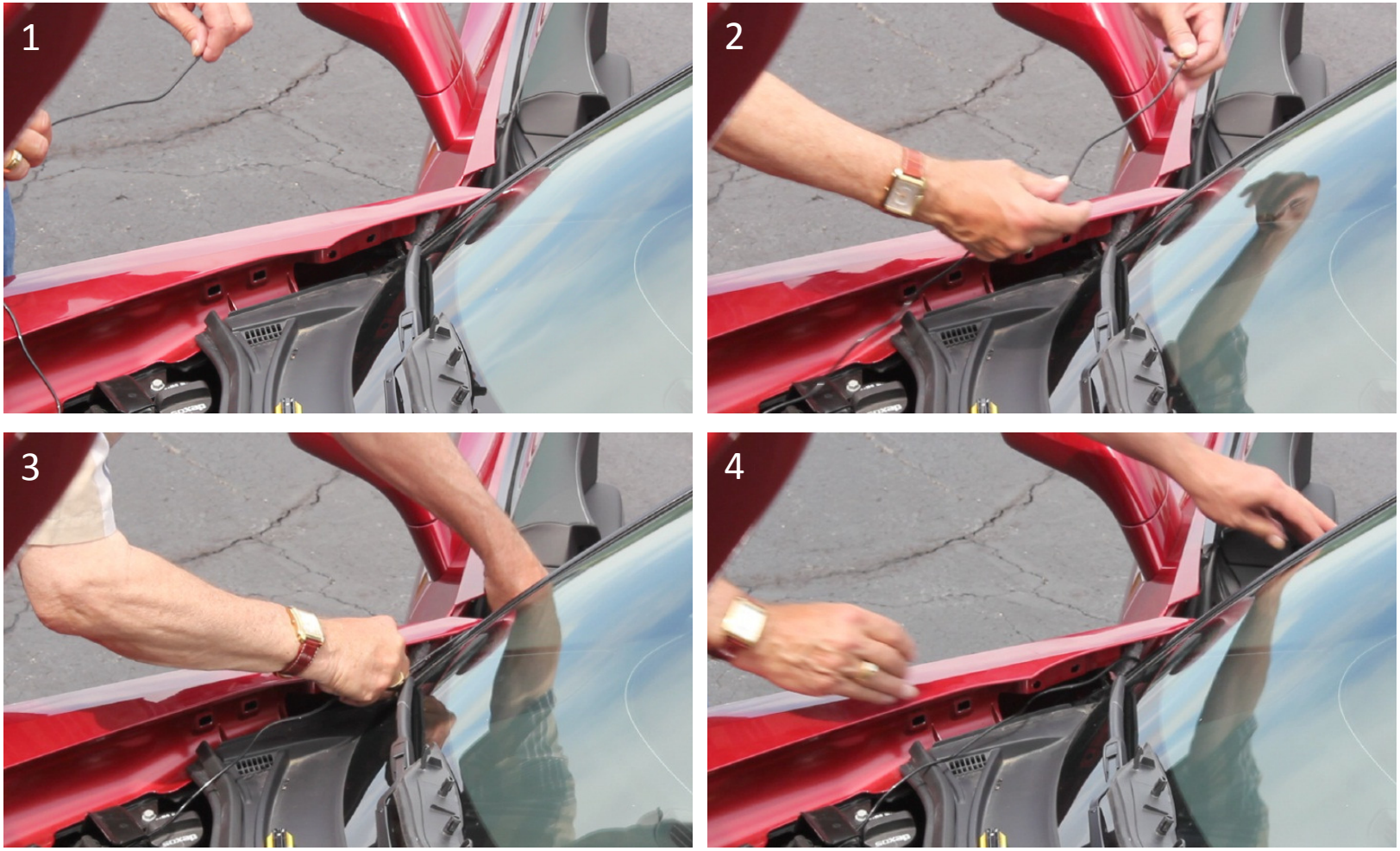




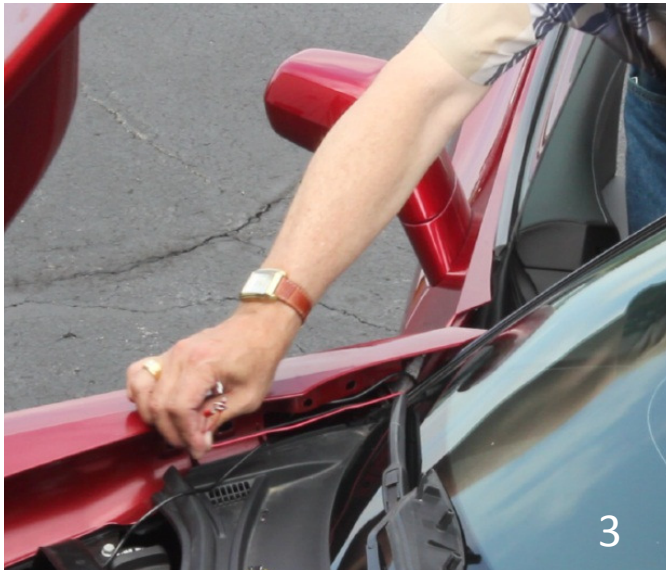


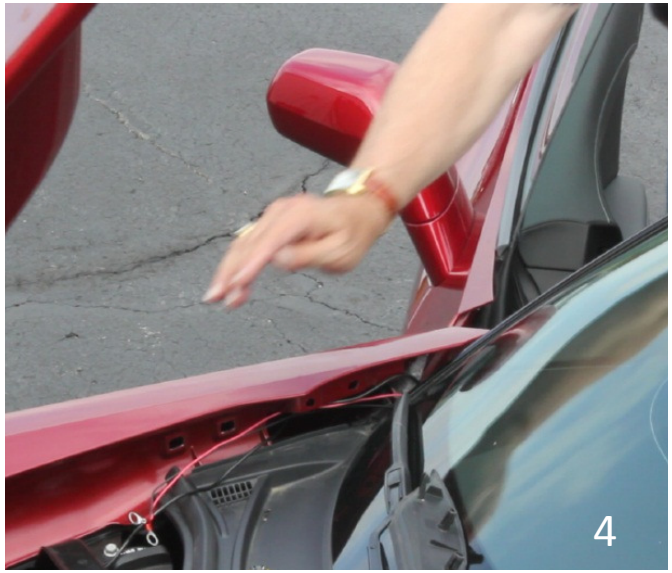


II. Pulling & Connecting Wires: Sensor cable to pass. compartment

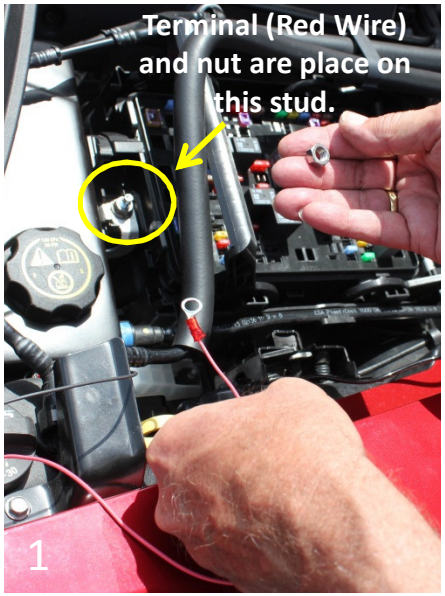


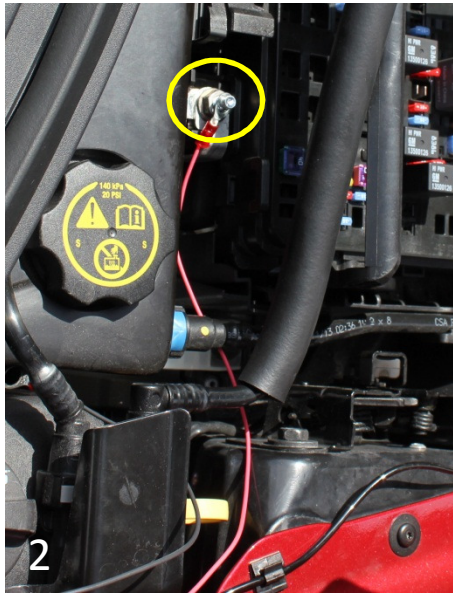
II. Pulling & Connecting Wires: Power Cables to Engine Compartment

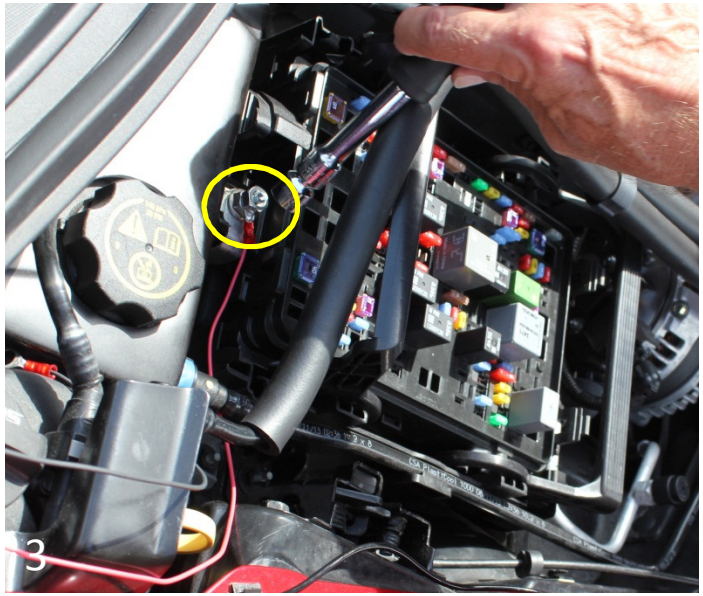


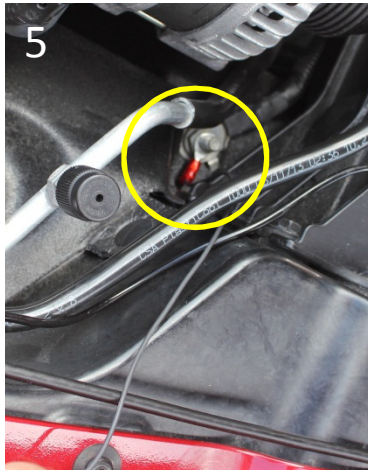


II. Pulling & Connecting Wires: Attaching Wires

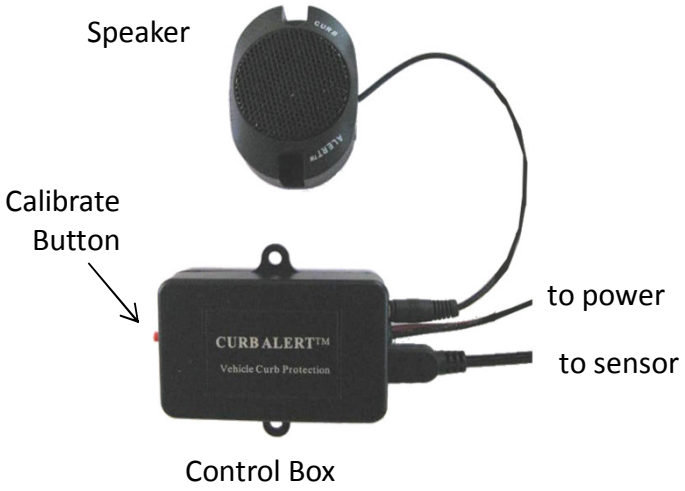


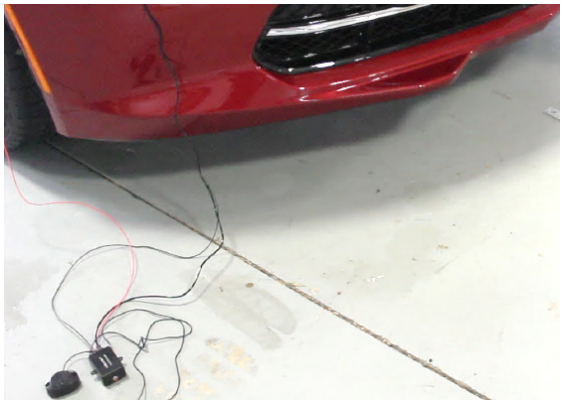






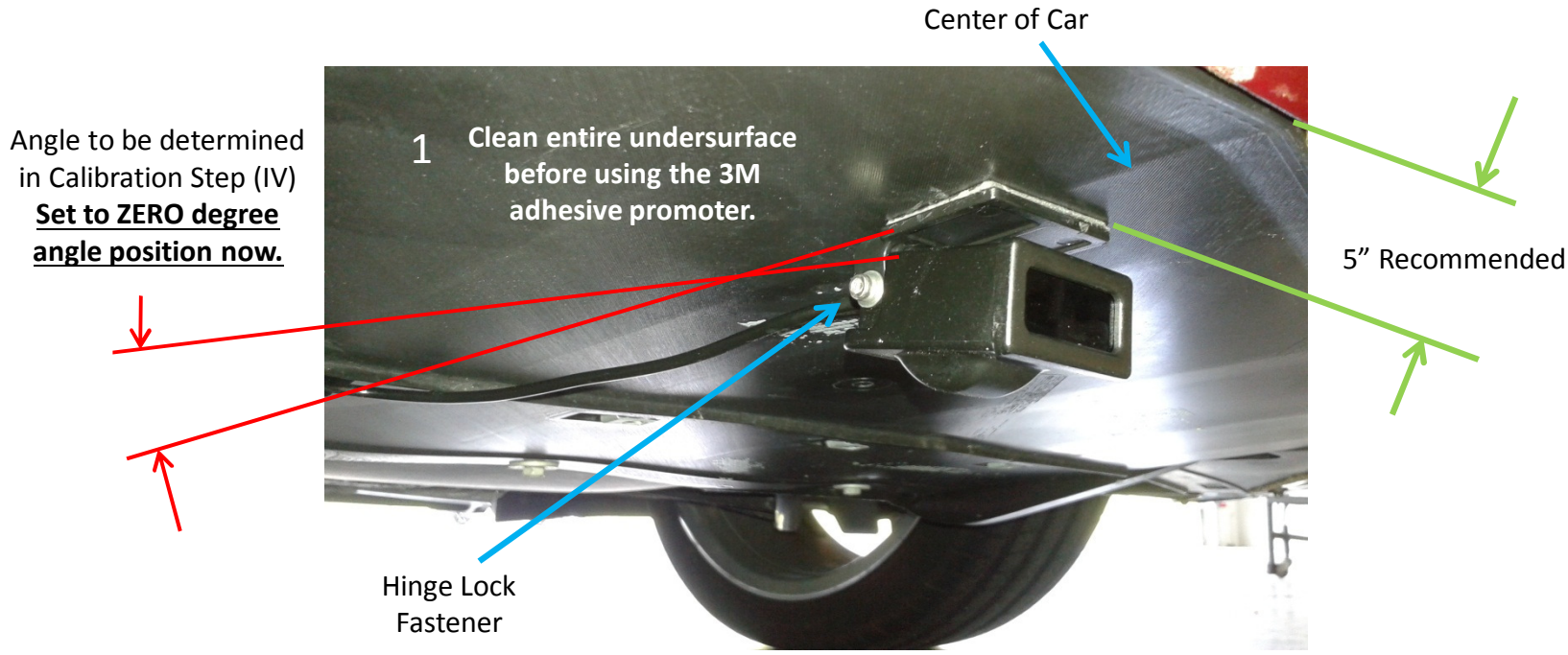
II. Pulling & Connecting Wires:

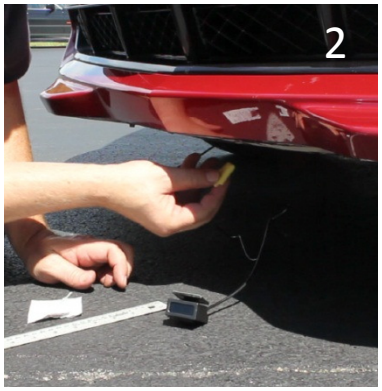




- Attach speaker wire to control box.
- Attach sensor cable to control box.
- Confirm wires do not interfere with any moving pulleys or belts in the engine compartment.
- Start vehicle and listen for speaker to chirp. If no sound comes from speaker on engine start, confirm that speaker is not in MUTE or OFF position and try again.
- Bring control box and speaker out to the front of the vehicle for easy access during the calibration steps.
- Turn off vehicle. Sensor will stay active to 20 minutes. It is likely you will need to restart the vehicle at least once during the calibration phase to turn the unit on again for 20 minutes.

III. Installing Sensor (Under Bumper)





Wipe 3M promoter for sensor & wire clips mount.

Peel and stick sensor in position as shown.

Press firmly to insure sensor is secure.

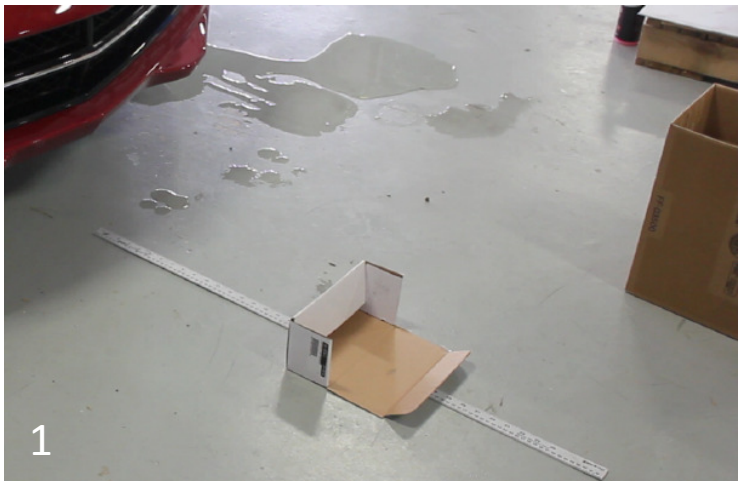
IV. Calibrating Sensor: Set Alert Distance

- Place yard stick on ground as shown. (Front of bumper center)
- Place Medium box in front of bumper at the 18” to 20” mark. You may want to adjust this further out if you want to increase the amount of time to stop your vehicle when the sensor alerts. It is not recommended more than 28” from the bumper.
- Restart the engine to confirm the sensor is on, and then shut engine down.

- Press the RED button on the control box and listen for a double beep.
- A constant tone is then available to help with the alignment of the sensor in the next step.

- Remove the box.
- Replace box to confirm sensor alert distance. (Constant tone)
- Repeat: Use box to check the sensor alert distance.

IV. Calibrating Sensor : Set Angle (for height) Alert Point



- Modify Curb-Alert box as shown to create a knife edge for the next sensor adjustment. Using the Curb-Alert box creates a 4” high alert zone. If you want to be warned at a different height, modify the “knife” edge to the desired height.

- Place modified Curb-Alert box at the same distance you had the larger box calibrated at. (20”)

- With the sensor still on, adjust the angle down (very slowly) until the unit alerts. Once it alerts, this is the point (this height at this distance) the sensor will detect a threat to your vehicle.

- Carefully tighten the sensor’s hinge with Allen wrench.

- Re-check alert height. Adjust if necessary.

IV. Calibrating Sensor: Testing Alert Height (and Distance)

- Using “shorter” side of Curb-Alert box, test to confirm the sensor does **NOT** alert. (This assumes that you did not aim the sensor at a three inch or lower zone.) Completing this step reduces false alerts.

- Using “knife-edge” of Curb-Alert box, test to confirm the sensor alerts at the expected distance. If not, repeat alignment instructions on previous page.

IV. Calibrating Sensor: Confirming Alert Height

- To check your curb height setting with high accuracy, slowly bring the Curb Alert box down vertically at your distance alert point.
- Measure (to confirm) the distance from the bottom of the box to the pavement when the alert sounds.

V. Clean-up & Finalize Mounting of Control Box & Speaker

1. Put control box & speaker back in passenger compartment.
2. Attach at least three cable holds under vehicle between the sensor and the square hole the cable reaches through. There is a small lip running the width of the car you should place the cable behind to minimize the chance that road debris catching the wire.
3. Pull sensor wires and power wires snug to existing wires in the engine compartment. Use zip ties to secure all wires.
4. Snap shut the +12VDC top and replace cover of fuse panel.
5. Replace under-hood trim piece.
6. Route wires behind black trim using plastic handle or other non-metallic tool.
7. Replace rubber trim piece
8. Replace plastic door jamb trim while routing wires into passenger compartment. Carefully tuck wires out of sight while snapping trim back into place.
9. Loop excess wires and tuck under the dash-board trim in foot well.
10. Peel and stick control box and speaker to your taste under dash board in foot well.

VI. Test Device with Vehicle

- Place a box at least six (6) feet away large enough to simulate a threat to you bumper in the path of you vehicle.
- Start vehicle, and drive toward the box and listen for the warning beeps.
- Stop vehicle when alert sounds.
- Turn off vehicle and check the position of box relative to front of car.
- If results are acceptable, you're done. If you want to change the results, repeat STEP IV with different distances that better suit your tastes and parking approach speed.

Congratulations – you have completed the installation of Curb-Alert!